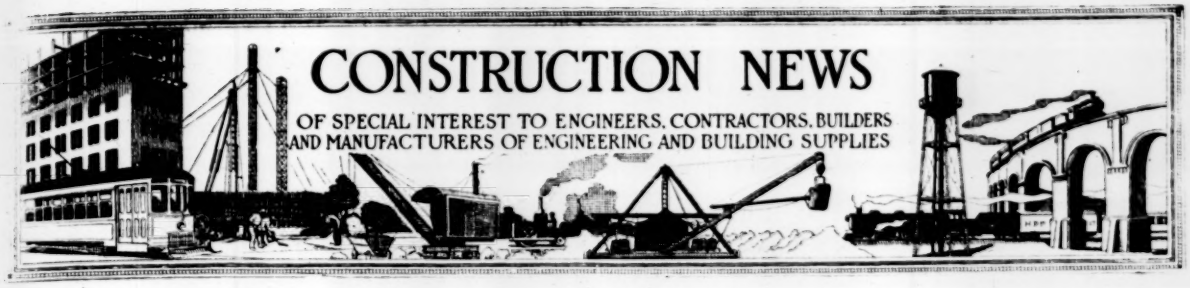
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 16	Fayette, Mo.	Sept. 9
Sept. 21	Norfolk, Va. Adv. Aug. 26 to Sept. 9.	Aug. 26
Sept. 22	Richfield Springs, N. Y. Adv. Sept. 9.	Sept. 9
Sept. 23	Wauseon, O. Adv. Sept. 2 and 9.	Sept. 2
Sept. 27	Seattle, Wash.	Sept. 9

SEWERS

Sept. 15	Rahway, N. J. Adv. Sept. 9.	Sept. 9
Sept. 15	Harrisburg, Pa.	Sept. 9
Sept. 16	Teaneck, N. J. Adv. Sept. 2 and 9.	Sept 2
Sept. 21	Paterson, N. J.	Sept. 9
Sept. 21	Grant City, Mo.	Sept. 9
Oct. 4	Pontiac, Mich.	Aug. 26

BRIDGES

Sept. 13	Belleville, Kan.	Aug. 26
Sept. 14	Floyd, Va.	Sept. 2
Sept. 14	Lock Haven, Pa. Adv. Aug. 26 to Sept. 9.	Aug. 26
Sept. 14	Perry, Ga.	Aug. 26
Sept. 15	Asbury Park, N. J.	Sept. 2
Sept. 15	Portsmouth, N. H. Adv. Aug. 26 to Sept. 9.	Sept. 2
Sept. 15	Providence, R. I.	Aug. 26
Sept. 15	Iola, Kan.	Aug. 26
Sept. 15	New York, N. Y.	Sept. 9
Sept. 15	Portsmouth, N. H. Adv. Aug. 12 to Sept. 9.	Aug. 12
Sept. 18	Racine, Wis.	Sept. 9
Sept. 18	Salisbury, N. B.	Sept. 2
Sept. 21	Union, W. Va.	Sept. 2
Sept. 22	Monticello, Ga.	Sept. 9
Sept. 25	Farmville, Va	Sept. 9
Sept. 25	Hillsville Va.	Sept. 9
Sept. 30	New Orleans, La.	Aug. 26
Sept. 30	Wickenburg, Ariz. Adv. Sept. 9.	Sept. 9

STREETS AND ROADS

Sept. 13	Jasper, Tex.	Aug. 26
Sept. 13	Minneapolis, Minn. Adv. Sept. 2 and 9.	Aug. 26
Sept. 13	Ontario	Sept. 9
Sept. 14	Meriden, Conn. Adv. Sept. 9.	Sept. 9
Sept. 14	Fergus Falls, Minn.	Aug. 19
Sept. 14	Newaygo, Mich.	Sept. 2
Sept. 14	Charleston, W. Va.	Aug. 19
Sept. 14	Garnett, Kan.	Aug. 19
Sept. 14	Philadelphia, Pa.	Sept. 9
Sept. 14	International Falls, Minn.	Sept. 9
Sept. 15	Thief River Falls, Minn.	Sept. 9
Sept. 15	Clinton, Ia.	Sept. 2
Sept. 15	New York, N. Y.	Sept. 9
Sept. 15	St. George, S. I., N. Y.	Sept. 9
Sept. 15	Brooklyn, N. Y.	Sept. 9
Sept. 15	Washington, D. C.	Sept. 9
Sept. 15	Baltimore, Md.	Sept. 9
Sept. 16	Ontonagon, Mich.	Sept. 2
Sept. 16	Girard, Kan.	Aug. 26
Sept. 16	Franklin, Tex.	Sept. 2
Sept. 16	Darlington, S. C. Adv. Sept. 9.	Sept. 9
Sept. 17	Missouri	Sept. 9
Sept. 17	Rome, Ga.	Sept. 9
Sept. 17	Lapeer, Mich.	Sept. 2
Sept. 18	Greeneville, Tex.	Sept. 9
Sept. 20	Vanceboro, N. C.	Sept. 2
Sept. 20	New Britain, Conn.	Sept. 9
Sept. 21	Springfield, O.	Sept. 9
Sept. 21	New Orleans, La.	Sept. 9
Sept. 21	St. George, S. C.	Aug. 12
Sept. 21	Cimmarron, Kan.	Sept. 9
Sept. 21	Willmar, Minn.	Sept. 9
Sept. 22	Charleston, W. Va.	Sept. 2
Sept. 24	Abilene, Tex Adv. Sept. 2 and 9.	Sept. 9
Sept. 24	Girard, Kan.	Sept. 9
Sept. 27	Quebec, Que.	Sept. 9
Sept. 28	Kaufman, Tex.	Sept. 2
Sept. 28	Kaufman, Tex.	Sept. 9

EXCAVATION AND DREDGING

Sept. 13	Pontiac, Mich.	Sept. 2
Sept. 14	Paterson, N. J.	Sept. 2
Sept. 14	Ft. Dodge, Ia.	Sept. 2
Sept. 18	Oskaloosa, Ia. Adv. Sept. 9.	Sept. 9
Sept. 22	Wapello Ia. Adv. Sept. 9.	Sept. 9
Sept. 22	Mankato, Minn.	Sept. 9
Sept. 27	Eudora, Ark.	Sept. 2
Sept. 27	Helena, Ark.	Sept. 9

INDUSTRIAL WORKS

Sept. 15	Ossining, N. Y.	Aug. 19
Sept. 17	Wakeeney, Kan.	Sept. 2
Sept. 29	Buffalo, N. Y.	Aug. 26

BUILDINGS

Sept. 11	Indianapolis, Ind.	Sept. 9
Sept. 13	Milwaukee, Wis.	Sept. 9
Sept. 14	Wash., D. C.	Sept. 9
Sept. 14	Erie, Pa.	Sept. 2
Sept. 14	Marmarth, N. D.	Sept. 2
Sept. 14	Montevideo, Minn.	Aug. 26
Sept. 14	Glassboro, N. J.	Aug. 26
Sept. 15	Edinburg, Tex.	Aug. 26
Sept. 15	Fond du Lac, Wis.	Sept. 2
Sept. 15	Ossining, N. Y.	Aug. 26
Sept. 15	Denver, Col.	Aug. 12
Sept. 15	Denver, Col.	Aug. 5
Sept. 17	Minneapolis Minn.	Sept. 9
Sept. 18	Hoytville, O.	Sept.
Sept. 18	West Allis (Milwaukee, P. O.), Wis.	Sept. 9
Sept. 20	Brooklyn, N. Y.	Aug. 26
Sept. 21	Springfield, O.	Sept. 2
Sept. 22	Wiota, Ia.	Sept. 2
Sept. 23	Liberty, Mo.	Sept. 9
Sept. 27	Ebensburg, Pa.	Sept. 9
Sept. 27	New Orleans, La.	Sept. 9
Oct. 1	Granite City, Ill.	Sept. 2
Oct. 3	Canton, O.	Sept. 9
Oct. 12	Huron, S. D.	Sept. 2

FEDERAL GOVERNMENT WORK

Sept. 13	Barges—Nashville, Tenn.	Aug. 26
Sept. 14	Electric Freight Lift etc.—St. Paul, Minn.	Aug. 26
Sept. 15	Lifeboat House and Accessories—Marblehead, O.	Aug. 26
Sept. 15	Pontoon Catamarans—Jacksonville, Fla.	Aug. 26
Sept. 15	Remodeling Post Office and Courthouse—Freeport, Ill.	Sept. 2
Sept. 15	Jetty—Jacksonville, Fla.	Aug. 26
Sept. 15	Bowlers Rock Light—Baltimore, Md.	Sept. 9
Sept. 16	Jetty—New Orleans, La.	Aug. 19
Sept. 21	Sound Deadening Wall and Ceiling Covering—Wilmington, N. C.	Sept. 2
Sept. 23	Refrigerating Machine — New Orleans, La.	Sept. 2
Sept. 25	Harbor Development—Spec. 4136—Great Lakes, Ill.	Aug. 19
Sept. 30	Metal Work—Key West, Fla.	Sept. 2

MISCELLANEOUS

Sept. 14	Foundation—Philadelphia, Pa.	Aug. 26
Sept. 14	Gate Valves, Sleeves, etc. —Detroit, Mich.	Sept. 2
Sept. 14	Breakwater—Port Maitland-N. S.	Sept. 2
Sept. 14	Pier—Toronto, Ont.	Sept. 2
Sept. 14	Wall—Newark, N. J.	Sept. 9
Sept. 15	Plant—New York, N. Y.	Sept. 9
Sept. 15	Retaining Wall — Asbury Park, N. J.	Sept. 2
Sept. 15	Lighting Equipment—Detroit, Mich.	Aug. 26
Sept. 20	Sewer Cleaner—Lockport, N. Y.	Sept. 2
Sept. 21	Dam, Pump House, etc.—Norfolk, Va	Aug. 26
Sept. 21	Rapid Transit—New York, N. Y. Adv. Sept. 2 and 9.	Sept. 9
Sept. 21	Shafts—New York, N. Y.	Sept. 2
Sept. 22	Breakwater—Chicago, Ill.	Aug. 19
Sept. 27	Well, Well House, etc.—Sioux Falls, S. D.	Sept. 9
Sept. 28	Crushed Trap Rock or Lime Stone—Kaufman, Tex.	Sept. 9
Sept. 30	Transformers, etc.—Sacramento, Cal.	Aug. 19
Oct. 1	Pumping Engine—Janesville Wis.	Sept. 9

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Kenwood—Citizens of Kenwood and Sherrill have authorized Bd. Comrs. of combined water district to issue $175,000 bonds to install water system to serve both communities.

Mich., Charlotte—City having plans prepared by R. A. Murdock, engr., 628 Free Press Bldg., Detroit, for extension and additions to waterworks system. About $50,000.

Mich., Ferndale (Detroit P. O.)—Village having plans prepared by G. Jerome, engr., 1331 Majestic Bldg., Detroit, building 6 and 8 in. c.i. extensions to waterworks system, including valves, valve boxes, etc. About $65,000.

Minn., Breckenridge—City will sell $25,000 bonds Sept. 20, to extend water mains and $15,000 for lighting plant.

Kan., Olathe—City voted $63,000 bonds to increase height of concrete and earth dam 5-6 ft. E. E. Harper, 3031 Park St., Kansas City, Mo., engr.

Kan., Ottawa—City election Sept. 24, to vote on $165,000 bonds to improve waterworks system and electric light plant. Engineer not decided.

Tex., Dallas—City having plans prepared by G. D. Fairtrace, engr., City Hall, for water purification plant for White Rock Reservoir. About $350,000.

Cal., Vallejo—City having estimates made for bringing water here and to Mare Island Navy Yard from Gordon Valley. City Comn. plans election to vote on bonds in excess of $1,000,000 for project. T. D. Kilkenny, city engr.

Ont., Fenelon Falls—Village plans to build waterworks and fire protection plant, including pump house, electric pumps, c. i. distribution system, and reservoir or elevated tank. About $50,000. O. Smith, Lindsay, engr.

Ont., York—Township soon receives bids building 15,500 ft. 6 in. c.i. pipe, in various streets. Sec. A, cost, $21,000; Sect. B, $10,000. F. Barber, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

N. Y., Richfield Springs—Until Sept. 22, by Village Water Comrs., furnishing and laying 5,200 ft. c.i. pipe, setting valves, building intakes, etc. V. A. Cameron, secy. T. F. Dowe, 30 East 23rd St., New York City, engr.; advertised in this issue.

Waterworks (Continued)

Mo., Fayette—Until Sept. 16, by City Clerk, furnishing labor and material extending waterworks system, involving 30,000 cu.yd. earthen dam, 3,000 sq.yd. riprap, 14,000 lin. ft. 8 in. c.i. pipe, 1 concrete intake and 100 cu.yd. grouted rubble walls. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—City let contract laying and relaying 4,025 ft. 4-12 in. c. i. pipe in South Boston, Roxbury and here, to J. Williams, 306 Hanover St.

O., Alliance—City received bid Sept. 2, building additions to waterworks dam, from J. C. Devine Co., Alliance. About $22,000.

Wis., Cedarburg—City received bids Aug. 24, installing new waterworks system, laying 25,000 ft. water pipe, building concrete reservoir, 50,000 gal. steel tank, etc., from J. T. Blake, 611 South Few St., Madison, $132,280. Noted Aug. 5.

Sewers

PROPOSED WORK

N. J., Haledon—Boro. having plans prepared for sewerage system. H. J. Harder, 692 14th Ave., Paterson, engr.

Mich., Detroit—City plans to build 2,593 ft. sewer in Halleck Ave. from Jos. Campau to Dequindre Sts., 4-5 ft. cylinder, etc., also 3 898 ft. in Bauman and State Fair Aves. from Seven Mile Rd. to Ralston Ave., 5 ft. 3 in.-7 ft. 6 in. cylinder, both brick, concrete and segmental block. C. W. Hubbell, city engr.

Ill., Cairo—City opens bids about October, building 6-36 in. sewers in 38th St. About $80,000. G. F. Dewey, 613 Ohio St., city engr.

Wis., Augusta—City plans to lay vitr. pipe sewers and build new sewerage system. Bonds for $40,000 voted for project. Cost between $50,000 and $80,000.

Wis., Burlington—City having preliminary plans prepared for new sewerage system. About $75,000. C. H. Tubbs, Burlington, engr.

Wis., Milwaukee—Sewerage Comn. having plans prepared and contemplates construction of following work during 1921, sewage tanks and equipment, cost $2,175,000; power house and equipment, $250,000; boilers, piping and equipment, $500,000; fine screen building and equipment, $325,000; inner dock, $200,000; sludge dryers, press and equipment, $274,000. T. C. Hatton, city engr.

Ore., Portland—City soon receives bids building sewers in 34th Ave. S. E. from 49th St. S. E. to Creston St., cost $178, East 75th St. from Pacific to East Glisan Sts., $4,743, East 22nd Ave. and Alberta St., System, $49,091, East 56th St. from Thomson to Halsey Sts., $7,956, Killingsworth Ave. from East 8th St. to Union Ave., $3,179, College St. from 16th to 14th Sts., $831, Sumner St. from East 19th St. to Union Ave., $4,662, Webster St. from East 8th St. to Union Ave., $6,207, East 8th St. from Ainsworth Ave. to Magnolia St., $4,198; also grading and replacing concrete curbs, etc., on 92nd St., S. E., $17,338. O. Laurgaard, city engr.

Ont., Sandwich, East—Township plans to build 6 mi. trunk sewer, one from Ford City to Peach Island and other from Sandwich to Peach Island. About $200,000. Knowles, Ltd., Windsor, engr.

BIDS DESIRED

N. J., Rahway—Until Sept. 15, by Bd. Comrs., City Hall, building 744 ft. 12 in. 258 ft. 10 in. and 1,000 ft. 8 in. vitr. tile pipe sewers. L. Price, city engr.; advertised in this issue

Pa., Harrisburg—Until Sept. 15, by W. H. Lynch, supt. highways, Commonwealth Trust Bldg., constructing 2 ft. 8 in. x 2 ft. 10 in. rectangular rein.-con. sanitary main sewer in Cameron Parkway, 18 in. terra cotta pipe sanitary main sewer in Elder and Raleigh Sts. and 8 in. terra cotta pipe sanitary sewer in Caledonia and Hudson Sts. About $50,000. M. B. Cowden, Commonwealth Trust Bldg., engr.

Mo., Grant City—Until Sept. 21, by City Clerk, building public sewer and disposal works in Dist. 1, involving 2,340 ft. 8 in., and 1,640 ft. 10 in. vitr. pipe, 4,100 lin. ft. 6-12 ft. earth trenching, 32.6 cu.yd. concrete in Imhoff tank, 129 cu.yd. excav., 23 cu.yd. filtering material in sludge filter. Black & Veach, Mutual Bldg., Kansas City, Mo., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., S. I., St. George**—Richmond Boro. let contract building sanitary sewers in Seaside Blvd. from Sea Ave. to point 3,000 ft. west of Sand Lane, to J. Johnson, Sons, West New Brighton, $133,258.

★**O., Cleveland Heights** (Warrensville, P. O.)—Village let contract building 5140 ft. 8-24 in. vitr. sewer pipe in Cumberland Ave. from Lee to Mayfield Rds., to A. Marra, 345 The Arcade, Cleveland. $31,353. Noted Sept. 2.

★**O., Euclid**—Village let contracts laying (1) storm and sanitary sewers, (2) water mains in (a) Midland Rd., (b) Garland Drive from South Lakeshore to Eastlawn Blvd., (c) South Lakeshore Blvd., from Newton Rd. to Lakeshore Blvd., (d) Fern Drive from South Lakeshore to Eastlawn Blvds., involving 6,490 ft. 8-20 in. vitr. and 2,761 ft. 6-8 in. c. i. pipe, (e) Azalia Drive from South Lakeshore to Eastlawn Blvds., (f) Marigold Ave. from South Lakeshore to Eastlawn Blvds., (g) Orchid Drive from South Lakeshore to Eastlawn Blvds., (h) Eastlawn Drive from South Lakeshore to Eastlawn Blvds., (i) East 230th St. from St. Clair to Arms Ave., 6,480 ft. 8-30 in. vitr. and 3,545 ft. 4-8 in. c. i. pine, to Hadded Mall Co., 335 The Arcade, Cleveland, (1a) $13,639; A. Marra, Illuminating Bldg., Cleveland, (1b) $6 526, (1c) $16,500, (1d) $1,363, (1e) $1,415, (1f) $3,782, (1g) $2,282, (1h) $9,392, (2h) $5,590; J. B. Lynn, 335 The Arcade Cleveland, (2a) $4,952, (2b) $3,896, (2c) $8 219, (2d) $1,080, (2e) $1,000, (2f) $2,301, (2g) $1,665, (1i) $3,064, (2i) $1,988. Noted Aug. 12.

Mich., Detroit—City received bids furnishing labor and material (except manhole rings and covers) building and finishing complete, vitr. crock sewers with brick manholes in (1) Lateral Sewer 3302, Vinton, Raymond, Georgia and Edgewood Sts., (2) 3307, Raymond, Clarion, Georgia and Edgewood Sts., (3) 3309, Erwin, Holcomb, Georgia and Edgewood Sts., (4) 3311, Jos. Campau, Cody, Mitchell and Davison Aves., (5) 3312, Jos. Campau, Cody, Mitchell and Halleck Sts., (6) 3321, Newport, Chalmers, Mack and Forest Aves., (7) 3322, Van Dyke, Erwin, Edgewood and Woodlawn Aves., (8) 3323, Seven Mile Rd., Bauman, Charleston and Annin Aves., (9) 3324, Raymond, Traverse, Knodell and Gratiot Aves., (10) 3327, Ralston, Bauman, Carmel and Annin Aves., (11) 3328, Ralston, Charleston, Adeline and State Fair Aves., (12) 3329, Ralston, Charleston, Annin and Lantz Aves., (13) 3330, Ralston, Charleston, Fernhill and Adeline Aves., (14) 3331, Ralston, Charleston, Lantz and Fernhill Aves., (15) 3332, Dexter Blvd., Lawton, Auburn and Puritan Aves., (16) 3181, West Line Highland Park, Log Cabin, Puritan and Florence Aves., (17) 2232, Petosky, Dexter, Calvert and Lawrence Sts., from V. Teetart, 5230 Notre Dame St., (1) $5782, (2) $14 218, (5) $8,562, (9) $40,533, (12) $16.399, (14) $15.498; N. Mancini, 580 Concord Ave., (1) $4.700, (2) $11,100, (9) $29,000; A. H. Haynes, 70 Davenport St., (1) $4,350; Lennane Bros., 809 Union Trust Bldg., (2) $13,987, (3) $23.029, (7) $26,870; Oakwood Constr. Co., 165 Fort Blvd., (3) $26,650, (4) $11,770, (5) $8,180, (6) $17,600, (8) $43.500, (10) $6.110, (11) $17,606, (12) $14,600, (13) $14 795, (14) $14,621, (15) $53,700, (16) $22.160; Liberty Constr. Co., 917 Chamber of Commerce Bldg., (6) $15.683; Western Constr. Co., 1208 Ford Bldg., (6) $16,386, (8) $55,100, (10) $6.720, (11) $17,760, (12) $15,989, (13) $15 654, (14) $14.893, (15) $53.566, (16) $20.371, (17) $14,793; R. D. Baker, Penobscot Bldg., (10) $5,850, (11) $22,050, (13) $14,600; Lennane & McIlvenna, 1205 Book Bldg., (17) $11,750. Noted July 22 and 29.

★**Ill., East St. Louis**—City let contract building 7 mi. 48-78 in. rein.-con. and 20-48 in. vitr. sewer pipe in Winstonly Sewer Dist., to J. Keeley Constr. Co., Cahokia Bldg. About $415,000.

Wis., Cedarburg—City received bids building sewerage system throughout entire city, to include excavating and laying 35,000 ft. vitr. pipe sewer, 2 sewage disposal tanks, sewage pumping station and pneumatic ejector, from J. T. Blake, 611 South Few St., Madison, $89,635; Wenzel & Henoch, 498 27th St., Milwaukee, $96,252; E. R. Harding Co., 400 Robinson Bldg., Racine, $133,345.

Ia., Atlantic—City let contract building sanitary sewers in various streets, to Akin & Flutter, Corning, $23,654.

★**Minn., Benson**—City let contract extending sewerage and waterworks systems, involving 7,554 ft. 12 in. sewer pipe, 21 manholes, 20 catch basins, 2,000 ft. Class "B" c.i. pipe, etc., to E. T. Webster, 427 Beacon Ave., St. Paul. $28,106. Noted Aug. 19.

★**Neb., Minden**—City let contract ling sewers in 10 blocks, to Donn & Briggs, Shenandoah, Ia. About $12

Ore., Portland—City received bid nishing and laying cement pipe s (a) East 58th St. from north line of Blvd. to sewer in Klichitat St., (b) St. from Serene Park to East 9th S 86th St. from Ash to East Stark St 67th St. S. E. and 45th Ave. S. E. sy system, from Portland Realty and Tru Exch. Bldg. (a) $6,591; J. Keating land, (b) $4,931, (c) $2,447; (d) $ Azar & Co., Portland, (b) $4,965; M arie & Co., Portland, (b) $5,356, (c) $ Lane & Pasanen, Portland, (c) $ Oregon Constr. Co., Portland, (c) $

★**Ont., Newmarket**—Town let con building outfall sewer involving 2 15-18 in. vitr. tile pipe, to Curran & Orrillia. About $34,000.

Bridges

PROPOSED WORK

Alabama—State Highway Comn., Montgomery, having surveys made by L. G. Smith, bridge engr., c/o State Highway Dept., for Rooster Bridge over Tombigbee River, 14 mi. from Demopolis, Marengo and Sumter Counties. Work includes approaches, sub-structure and super-structure, 200 ft. clear opening, probably bascule or vertical lift.

Alabama—State Highway Dept., Montgomery, having plans prepared by L. G. Smith, bridge engr., c/o State Highway Dept., for 180 camel back truss, 21 ft. c to c trusses, 102 ft. deck-pratt truss, 11 ft. c to c trusses, two 60 ft. plate girder spans (no substructure work or approaches for above bridges), 40 mi. north of Birmingham, Cullman and Blount Counties, cost $60,000; two 120 ft. steel Pratt trusses and two 175 ft. steel camel back trusses, 416 ft. concrete trestle approach and concrete piers, 9 mi. northeast of Montgomery, Elmore and Montgomery Counties, $150,000; six concrete girder bridges, one to have 50 ft. span, two 60 ft., three 57 ft., four 30 ft., five 39 ft. and six 30 ft., on piers abandoned by Louisville & Nashville RR. south of Cullman, Cullman Co.

O., Cleveland—City plans to build a concrete bridge, on East 107th St. and Carnegie Ave. About $250,000. R. Hoffman, 618 City Hall, engr.

Mich., Flint—City having plans prepared by E. C. Shoecraft, engr., Flint, for 160 ft. steel and concrete bridge, double arch, 57 ft. wide, over Flint River on Beach St.

Ill., East St. Louis—C. M. Slaymaker, dist. engr., Metropolitan Bldg., opens bids about Oct. 1, building 1,500 ft. concrete and steel bridge, 18 ft. wide, over Cascaskia River, between here and Mt. Vernon, for Special Rd. Dist.

Minn., New Ulm—Brown Co. having plans prepared for Bridge 3454 over Big Cottonwood River, to have two 120 ft. steel truss spans on rein.-con. abutments. About $30,000. State Highway Dept., Guardian Life Bldg., St. Paul, engrs.

Minn., New Ulm—City, Brown Co. (New Ulm), Nicollet Co. (St. Peter) and Federal Government plan to build one 100 ft. and one 300 ft. steel span bridges, 18 ft. roadways, over Minnesota River, latter to have three 100 ft. spans. About $60,000.

Mo., Jefferson City—City had plans prepared by Waddell & Son, engrs., 800 Graphic Arts Bldg., Kansas City, Mo., for 700 ft. steel bridge, 17 ft. wide, on concrete piers and wood piling, over Osage River, involving 1,225 cu.yd. concrete, 275 tons steel and 5,250 lin.ft. wooden piling. About $200,000. C. A. Dircks, clk.

BIDS DESIRED

N. Y., New York—Until Sept. 15, by M. Hulburt, Comr. Docks, Pier A, furnishing labor and material building inshore portion of Brooklyn Bridge Improvement.

Va., Farmville—Until Sept. 25, by Chn. Bd. Superv. Prince Edward Co., building 48 ft., steel beam bridge, over Vaughns Creek, near Hurtsville, for State Highway Comn., Richmond.

Va., Hillsville—Until Sept. 25., by Chn. Bd. Superv. Carroll Co., building 52 ft. steel truss bridge over Pauls Creek on Flower Gap, and 82 ft. steel truss bridge over Little Reed Island Creek, near Southern Store, for State Highway Comn., Richmond.

Ga., Monticello—Until Sept. 22, by Comrs. Jasper Co. building 2 rein.-con. bridges, one 1.5 mi. from here to have two 26 ft. and two 16 ft. concrete spans on 3 concrete piers and 2 concrete abutments with wing walls; other 4.5 mi. from here to have three 26 ft. concrete deck girder spans on 2 concrete piers and 2 con-

Bridges (Continued)

crete abutments with wing walls. Work involves 159.1 cu.yd. Class "A," 275.9 cu.yd. Class "B" and 60.9 cu.yd. Class "C" concrete, 37,020 lb. reinforcing steel, etc. Bids will also be received on alternate designs involving 286.5 cu.yd. Class "A" and 321 cu.yd. Class "B" concrete and 28,000 lb. reinforcing steel.

Wis., Racine—Until Sept. 18, by Bd. Pub. Wks., building 150 ft. rein.-con. arch bridge on Spring St., 30 ft. wide, to be known as Millmine Bridge. About $40,000. Klug & Smith, Mack Blk., Milwaukee, engrs.

Tex., Greenville—Until Sept. 18, by A. J. Gates, judge Hunt Co., grading, surfacing and building concrete and steel bridges and culverts on 11.14 mi. Greenville-Caddo Mills Rd., 16 ft. wide, involving 7 acres clearing and grubbing, 50,499 cu.yd. borrow, 48,916 cu.yd. unclassified earth and 3,290 cu.yd. structural excav., 2,257.4 cu.yd. Class "A" and 184.5 cu.yd. Class "B" concrete, 32,504 cu.yd. crushed stone, 233,027 lb. reinforcing and 78,880 lb. structural steel, etc. About $310,000. A. D. Duck, co. engr.

Ariz., Wickenburg—Until Sept. 30, at office of T. Maddock, state highway engr., Phoenix, building steel bridge, to have two 100 ft. steel trusses, across Hassayampa River, on Federal Aid Project 31, here; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Maine—State Highway Dept., Augusta, received bids building (a) steel swing superstructure for Belfast Lower Bridge, Belfast, Waldo Co., (b) concrete abutments and (c) steel superstructure for Cumberland St. Bridge over Presumpscott River, Westbrook, Cumberland Co., from Boston Bridge Wks., Inc., 47 Winter St., Boston, Mass., (a) $34,800, (c) $11,883; United Constr. Co., 24 James St., Albany, N. Y., (a) $38,337, (c) $10,682; E. Cyr & Co., Waterville, (b) $28,945.

★**Maine**—State of Maine and Dept. Pub. Wks., Quebec, Que., let contract building substructure of Edmunston, N. B.-Madawaska, Me. International Bridge over St. John River, to B. C. Burpee & Sons, South Devon, N. B., Can., $122,204; superstructure, to Dominion Bridge Co., Dominion Sta., Montreal, Que., Can., $147,820.

★**N. Y., Herkimer**—Town Bds. Herkimer and Fairfield let contract building rein.-con. arch bridge over West Canada Creek and crossing over tracks of Adirondack Div. of New York Central R.R. with approaches and appurtenant structures at Depster, 3 mi. north of here, to Peckham Constr. Co., Niagara Life Bldg., Buffalo. Noted July 22.

★**New Jersey**—State Highway Comn., Trenton, let contract building plate girder bridge No. C, 49 ft. span, 30 ft., roadway, 5 ft. sidewalk, also incased I beam bridge No. D, 14 ft. span, 30 ft. wide, on State Highway 2, Roebling-Bordentown, Burlington Co., to East Jersey Bridge Co., 175 Smith St., Perth Amboy, $49,898 and $21,192 respectively. Work involves 58,700 lb. steel and 26,700 lb. old refabricated steel. Noted Aug. 19.

★**Pa., Ebensburg**—Cambria Co. let contract building concrete and steel bridge over Conemaugh River, connecting Franklin and East Conemaugh Boros. to Penn Bridge Co., Beaver Falls, $136,435. Noted Aug. 19.

★**Ill., Danville**—City let contract building 1,038 ft. rein.-con. bridge, over Vermillion River, to have 6 arch spans, approach span and 30 ft. roadway, to M. Yeager & Sons, Danville. Noted April 22.

★**Minn., New Ulm**—Brown Co. let contracts building Bridge 3279, to have two 100 ft. steel spans on rein.-con. abutments, to Minneapolis Bridge Co., 1035 Metropolitan Life Bldg., Minneapolis, $29,989; Bridge 3209, to have two 100 ft. spans on rein.-con. abutments, to Joliet Bridge & Constr. Co., 731 Metropolitan Life Bldg., Minneapolis, $25,000.

★**Kan., Junction City**—Comrs. Geary Co. let contract building 150 ft. rein.-con. rainbow arch bridge, 18 ft. roadway, near here, to Koss Constr. Co., 2818 5th St., Des Moines, $39,439. Noted Aug. 5.

Missouri—State Highway Dept., St. Joseph, received bids Aug. 20, from Lynch-McDonnell, Moberly, building rein.-con. skew slab superstructure and 4 rein.-con. pile bents over Contrary Creek, sta. 64 plus 32, involving 10 cu.yd. Class "A" concrete, $50 per cu.yd., 215.7 cu.yd. Class "B" $30, 28,000 lb. reinforcing steel, $0.09, total cost $9,491; rein.-con. through girder superstructure and 2 rein.-con. abutments, over Rushville Drainage Ditch on Sta. 649 plus 51, 6 cu.yd. Class "A" concrete, $50 per cu.yd., 244.1 cu.yd. Class "B" $30, 25,105 lb. reinforcing steel, $0.09, $9,887; rein.-con. deck girder superstructure, 2 rein.-con. abutments and 1 temporary bridge, over Drainage Ditch on Sta. 229, 5.5 cu.yd. Class "A" concrete, $50 per cu.yd., 1,099 cu.yd. Class "B" $30, 10,730 lb. reinforcing steel, $0.09, $4,787; rein.-con. skew slab superstructure, 2 rein.-con. abutments, and 1 concrete pier, over Drainage Ditch on Sta. 515 plus 65, 9.9 cu.yd. Class "A" concrete, $50 per cu.yd., 104 cu.yd. Class "B" $30, 19.2 cu.yd. Class "C" $25, 8,596 lb. reinforcing steel, $0.09, $4,869; rein.-con. skew slab superstructure, 2 rein.-con. abutments and 2 concrete piers, over Drainage Ditch on Sta. 357 plus 99, 9.8 cu.yd. Class "A" concrete $50, 123.5 cu.yd. Class "B" $30, 44.8 cu.yd. Class "C" $25; 11,840 lb. reinforcing steel, $0.09, $6,381. Noted Aug. 5.

★**Ontario**—Dept. Pub. Rds., Toronto, let contract building concrete bridges and culverts on Provincial Highway in West Cramahae and Tyndinaga Twps., to Harvey & Armitage, Deseronto; Hope and Clark Twps., to W. P. Godson & Co., 30 Leopold St., Toronto; Clinton, Saltfleet and North Grimsby Twps., to Murphy Constr. Co., Toronto. Total cost $70,000.

★**Ont., Orangeville**—Dufferin Co. let contract building 11 rein.-con. bridges, 6-40 ft. spans, 20-30 ft. roadway, as follows, 8 to J. Kidd, Inglewood, $17 per cu.yd.; 1 to Canada Constr. Co., 907 Excelsior Life Bld., Toronto, $23 per cu.yd.; 1 to J. McBride, Grand Valley, $20 per cu.yd.; 1 to Scott, Maddock & Mitchell, 48 Alexander St., Toronto, $23 per cu.yd. Work involves 1,500 cu.yd. rein.-con., 1,600 cu.yd. stone, etc. Total cost. $35,000.

★**Ont., Port Dover**—Norfolk Co. (Sim Coe) let contract building 120 ft. bridge with concrete approaches at each end, involving 584 cu.yd. rein.-con., 25,000 lb. reinforcing steel and 550 cu.yd. stone, to A. C. Stewart & Sons, Port Dover. About $25,000. Noted July 22.

Streets and Roads

PROPOSED WORK

Mass., Boston—City plans to build Caroline Ave., involving 350 cu.yd. concrete walls and 8,000 cu.yd. excav. About $35,000.

N. J., Newark—Dept. Streets and Pub. Impvts. soon receives bids paving, grading and flagging Pershine Ave. from Watson St. north, brick on concrete, paving Grand Ave. from South Orange to Mt. View Aves., asphalt or concrete. About $25,000.

Fla., St. Augustine—St. John Co. defeated $2,250,000 bonds Aug. 24, to pave, hard surface and build 2 concrete bridges. Noted Aug. 5.

Ohio—State Highway Dept., Columbus, rejected bids received Aug. 20, grading, building bridges and culverts and paving 4.087 mi. Sect H Bucyrus-Upper Sandusky Rd., Crawford Co., bituminous concrete. Work will be readvertised. Noted Aug. 26.

Ohio—State Highway Comn., Columbus, received no bids Sept. 3, building roads in following counties:

Belmont Co., Sect. "H-1" Barnesville-Woodsfield Rd., 1.778 mi., grading, constructing bridges and culverts and paving with bituminous macadam.

Sect. "I" Barnesville-Woodsfield Rd., 2.061 mi., grading, constructing bridges and culverts and paving with bituminous macadam.

Clemont Co., Sect. "N-2" Milford-Hillsboro Rd. 3.548 mi., grading, constructing bridges and culverts and paving with waterbound macadam.

Scioto Co., Sect. "B" Portsmouth-Oak Hill Rd., 1,997 mi., grading, constructing bridges and culverts and paving with either brick, or monolithic brick. Noted Aug. 26.

Ill., Belleville—St. Clair Co. soon receives bids grading and paving 3½ mi. road from East St. Louis to Carlinville, 16 and 18 ft. wide, involving 35,000 sq.yd. concrete, cost $200,000; 1½ mi. Natl. Old Nails Rd., 18 ft. wide, 16,000 sq.yd. concrete, $150,000. C. M. Slaymaker, Metropolitan Bldg., East St. Louis, engr.

Ill., Belleville—St. Clair Co. opens bids about Oct. 1, grading, paving and building bridges on 60 mi. road from East St. Louis to Mt. Vernon. 18 ft. wide, involving 630,000 sq.yd. concrete. About $3,000,000. C. M. Slaymaker, Metropolitan Bldg., East St. Louis, dist. engr.

Wis., Two Rivers—City plans to scarify, relevel, reroll, resurface, etc. 2.1 mi. Washington, Monroe and 16th Sts., 18 ft. wide. About $25,000. Engineer not selected.

Ill., Mounds—City soon receives bids graveling, curbing, guttering, building macadam pavement, etc., on various streets. About $25,000. G. F. Dewey, 613 Ohio St., Cairo, engr.

Minn., New Ulm—City, Brown Co. (New Ulm), Nicollet Co. (St. Peter) and Federal Government plan to grade and fill in high water crossing over Minnesota River. About $60,000.

S. D., Watertown—City Council plans to pave 116 blocks. About $250,000. B. Mather, clk.

Nev., Reno—Washoe Co. plans to build 15 mi. gravel road from Reno to Purdy, on California-Nevada line. About $191,000. Federal Government will appropriate $95,500 toward cost.

Ont., Peterboro—City having plans prepared for 1 mi. concrete sidewalks and ¾ mi. asphalt or bitulithic pavement. About $67,700. W. Parsons, City Hall, engr.

BIDS DESIRED

Conn., Meriden—Until Sept. 14, by Mayor, Room 9, Town Hall, paving South Colony St. from New York, New Haven & Hartford R.R. to southerly street line of Cooper and Perkins Sts. C. P. Prann, city engr.; advertised in this issue.

N. Y., Brooklyn—Until Sept. 15, by E. Riegelmann, boro. pres., regulating and repaving with special granite on present concrete foundation roadway of Bedford Ave. from Eastern Parkway to Empire Blvd.; permanent asphalt on 6 in. concrete foundation, Bedford Pl. from Brevoort Pl. to Atlantic Ave., Bleecher St. from St. Nicholas Ave. to boro. line, Bradford St. from Dumont to Livonia Ave., Crooke Ave. from Brighton Beach R.R. to Ocean Ave., 6th Ave. from 62nd to 63rd Sts.; permanent Grade 1 granite on 6 in. concrete foundation, Tillary St. from Fulton to Washington Sts.

N. Y., New York—Until Sept. 15, by H. H. Curran, pres. Manhattan Boro., regulating and repaving with sheet asphalt on concrete foundation, roadway of West 54th St. from 7th to 9th Aves., West End Ave. from 69th to 72nd Sts., also from 76th to 91st Sts.; granite block on concrete foundation, 4th Ave., east side, from 32nd to 34th Sts.; wood block, Front St. from Montgomery to Jackson Sts.

N. Y., S. I., St. George—Until Sept. 15, by C. D. Van Name, pres. Richmond Boro., repaving with concrete roadway of Arthur Kill Rd. from Fosters to Woodrow Rds.

Pa., Phila.—Until Sept 14, by city, grading Basel, Andrews, Pittville, Alsop, Thouron, Woolston, Ditman, Old Front, Grange and 15th Sts., Cedar Park, Walnut Lane, Wooster and Sommers Rds. and 71st Ave. (Schedule A); repairing fenders on Passyunk Ave. Bridge (Schedule B); improving Scotts Lane (Schedule C); asphalt paving A. Albanus, American, Beechwood, Benezet, Bristol, Cayuga, Cedar, Chew, Clearvier, Dungan, Floyd, Glendale, Front, Grange, Greenway, Herbert, Hutchinson, Lindley, Locust, Luray, Palethorp, Palmetto, Pine, Rubicam, Ruscomb, Westmoreland, Woodstock, Lambert, 20th, 21st, 56th, 60th, 62nd, 65th, 71st, 72nd and 73rd Sts. and 69th Ave. (Schedule D); repairing asphalt pavements (Schedule E). About $650,000. F. H. Caven, dir. Pub. Wks.

Md., Baltimore—Until Sept. 15, by Bd. Awards, c/o City Register, grading, curbing and paving with old granite block on concrete base and cement concrete several streets listed in Contr. 176 and 177; grading and paving with cement concrete various alleys, listed in Contrs. 63, 64, and 65. R. K. Compton, acting ch. engr.

D. C., Wash.—Until Sept. 15, by Dist. Comrs., grading roadway and laying cement pavement.

S. C., Darlington—Until Sept. 16, by W. C. Candy, superv. Darlington Co., building 4 mi. sand-clay road from Darlington to Florence Co. line. W. S. Lewis, Florence, Div. Engr.; advertised in this issue.

Ga., Rome—Until Sept. 17, by Bd. Comrs. Rds. and Revenues, Floyd Co. grading, building ditches, shoulders, drainage structures, and top soil surfacing 7.3 mi. Federal Aid Project 151. Work involves 4.39 acres clearing and grubbing 38,950 cu.yd. common, 7,621 cu.yd. borrow and 1,178 cu.yd. solid rock excav., 4,106 cu.yd. overhaul, bridges involve 48.41 cu.yd. Class "A," 203.23 cu.yd. Class "B" and 42.80 cu.yd. Class "C" concrete, and 5,283 lb. reinforcing steel; pipe culverts involve 1,756 lin.ft. 15-30 in. pipe, 111.34 cu.yd. cement concrete in headwalls, and 17,172.5 cu.yd. surfacing.

La., New Orleans—Until Sept. 21, by W. B. Davey, city engr., paving 6,880 lin.ft. South Clairborne St. from Canal St. to New Basin, 14,600 lin.ft. South Clairborne St. from New Basin to Napoleon Ave., 6,440 lin.ft. Broad St. from New Basin Canal to Washington Ave., 6,440 lin.ft., Broad St. from Canal St. to New Basin, 9,740 lin.ft. Audubon Blvd. from Poplar to Apricot Sts.,

Streets and Roads (Continued)

1,830 cu.yd. Audubon St. from Green to Clairborne Sts., 1,970 lin.ft. Audubon St. from St. Charles to Zimple; 4,300 lin.ft. Willow St. from Napoleon Ave. to lower line Newcomb property; 4,300 lin.ft. Poplar St. from lower Newcomb property to Carrollton Ave., 4,350 lin.ft. Oak St. from Carrollton to Jefferson Aves. and 240 lin.ft. Sycamore St. from Audubon St. to Bway.

Minn., International Falls—Until Sept. 14, by Koochiching Co. and Beltrami Co. (Bemidji), grading and building bridges and culverts on 6 mi. Judicial Rd. 2, involving 5,106 cu.yd. excav. About $25,000. D. Rose, International Falls, and S. D. Snyder, Bemidji, engrs.

Minn., Thief River Falls—Until Sept. 15, by Pennington Co., constructing Federal Aid Project 83, State Rd. 4, involving 28,395 cu.yd. excav., 6,850 cu.yd. overhaul, 536 lin.ft., 12-36 in. pipe culverts, 18,044 cu.yd. mi. haul, etc. About $25,000.

Minn., Willmar—Until Sept. 21, by S. Nelson, aud. Kandiyohi Co., 7 mi. Federal Aid Project 31, State Aid Job 1801, State Rd., 6, 24 ft. wide. About $25,000. Noted Apr. 15.

Kan., Cimarron—Until Sept. 21, by Comrs. Gray Co., grading, graveling and building culverts on 5,795 mi. Old Santa Fe Trail, Federal Aid Project 56,16 ft. wide. About $120,000. W. Barton, Ingalls, engr.

Kan., Girard—Until Sept. 24, by Comrs. Crawford Co., grading and building culverts on 11,369 mi. Commercial Highway, Federal Aid Project 66, 18 ft. wide. About $125,000. W. J. Arnold, Girard, engr.

Missouri—Until Sept. 17, by State Highway Dept., Carrollton, building 3.67 mi. East and West State Rd., 24 ft. wide, State Aid Project S 20.7, Carroll Co., involving 1,799 cu.yd. earth excav., 30,181 cu.yd. borrow, 87.1 cu.yd. Class "B" and 11 cu.yd. Class "C" concrete masonry, 6,682 lb. reinforcement for concrete masonry, 155 lin.ft. 15-24 in. rein.-con. pipe culvert. About $28,749.

Tex., Abilene—Until Sept. 24, by City Comrs., for 10,000 sq.yd. bitulithic, asphalt macadam or concrete paving. M. L. Sellers, secy; W. A. Riney, city engr.; advertised in this issue.

Tex., Kaufman—Until Sept. 28, by J. F. Coon, judge Kaufman Co., grading, surfacing and building rein.-con. bridges and culverts on 14.86 mi. Highway 40 through Precinct 7, 15 ft. wide, involving 35.3 acres clearing and grubbing, 111,795 cu.yd. borrow, 34,086 cu.yd. earth, 105 cu.yd. structural wet and 879 cu.yd. structural dry excav., 564.4 cu.yd. Class "A" and 69.9 cu.yd. Class "B" concrete, 23,500 lb. structural steel trusses, 33,844 cu.yd. gravel, 178.3 ft. creosoted timber, 31,815 lb. structural and 50,953 lb. reinforcing steel, etc., cost $237,840; 10.54 mi. Highway 40 through Rd. Precinct 1, 15 ft. wide, 5.5 acres clearing and grubbing, 66,221 cu.yd. earth borrow, 20,073 cu.yd. earth and 503 cu.yd. structural excav., 35,675 gal. bituminous macadam, 4,330 ton cover material, 313.5 cu.yd. Class "A" and 50.2 cu.yd. Class "B" concrete, 24,787 cu.yd. gravel, 17,801 lb. structural steel rail, 30,200 lb. structural steel trusses, 110.8 M. ft. timber, 24,942 lb. reinforcing steel, etc., $206,321. Bartlett & Ranney, Inc., co. engrs.

Que., Quebec—Until Sept. 27, by B. Michaud, d puty minister of highways, macadamizing 4 mi. upper Richelieu Rd., St. Jean Co. About $65,000.

Ontario—Until Sept. 13, by W. A. McLean, deputy minister of highways, Toronto, for earth and rock work, grading and concrete structures on Provincial Highway, Yonge Twp., Cont. 118; excav. and constructing concrete bridges and culverts, Yonge Twp. Sect. A, Contr. 149. About $30,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Massachusetts—State Highway Comn., Boston, received bids building highway, Holyoke, from D. O'Connells Constr. Co., Holyoke, $50,609; Cerrini & Sons Inc., Ashland, $53,484; Lane Constr. Corp., Meriden Conn., $54,748; highway in Andover, from G. R. Salabury Inc., Providence, R. I., $39,757. Noted Sept. 2.

★**Massachusetts**—State Highway Dept., Boston, let contract building 4,200 ft. cement concrete and bituminous macadam highway, Palmer, to C. Bianchi & Co., Framingham, $44,820. Noted Aug. 26.

Mass., Boston—City received bids paving Albany St. granite block, from J. Doherty, Boston, $42,145; J. A. Singarella, 220 Devonshire Ave., $42,322; D'Orifro Bros. Inc., Boston, $44,757. Noted Sept. 2

★**Mass., Boston**—City let contract paving Cushman Rd., Easton St., etc., sheet asphalt, to J. J. Lane, Boston, $62,072. Noted Aug. 26.

★**Mass., Boston**—Metropolitan Park Com., 18 Tremont St., let contract grading, surfacing, etc. at Bunker Hill Reservation, to J. H. Fannon, 28 Hinckley St., Somerville. About $25,000.

★**Mass., Salem**—City let contarct paving Boston St. from Grove to Goodhue Sts., asphalt, to M. McDonough Co., 620 Humphrey St., Swampscott, $46,151.

★**Conn., Bridgeport**—City let contract paving 1 mi. Seawall Blvd. at Seaside Park, Warrenite, to Warren Bros. Co., 142 Berkeley St., Boston, Mass. About $50,000. Noted Mar. 18.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids Sept. 1, regulating and repaving with granite block (a) Columbia St., (b) Kingsland Ave., asphalt (c) 7th Ave., (d) 57th St., asphalt block (e) 57th St., resurfacing with asphalt by heating method (f) Atlantic Ave., (g) restoring and repaving where directed from C. Gallagher, (a) $76,176; Grecco Bros., 172 Russell St., (a) $76,842, (b) $29,674; F. J. Gallagher, (a) $77,042; Contractors Serv., 50 Church St., (b) $30,928; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (c) $7,463, (d) $18,771; Consolidated Asphalt Paving Co., 52 9th St., (c) $7,508, (d) $19,279, (f) $109,496; Uvalde Asphalt Paving Co., 1 Bway., (c) $7,987, (d) $19,482, (f) $112,421, (g) $190,000; T. E. McCormick, (c) $20,353; Hastings Paving Co., 25 Broad St., (c) $21,682; Sicilian Asphalt Paving Co., 41 Park Row, (g) $173,750. Noted Aug. 26.

★**N. Y., Long Island City**—City let contract paving Ash St., to Kennedy & Smith, 94 Main St., Flushing, $7,898; Bway., to Sicilian Asphalt Paving Co., 41 Park Row New York City, $225,590; Metropolitan Ave., to Welsh Bros., 14 Queens St., Astoria, $13,135; 97th St., to Hastings Paving Co., 25 Broad St., New York City, $97,680; 97th St., to Cleveland-Trinidad Paving Co., 3409 Kumbull St., Cleveland, O., $66,055; Opdyke St., to Pease Bros., 38 Park Row, New York City, $4,075; Stockholm St., to Union Paving Co., Bway. and 112th St., New York City, $8,412; crosswalks from Woodside to Stryker Aves., to C. Kurth, $6,576; Grandview Ave., to C. A. Myers, Stagg St., Brooklyn, $10,655. Noted Sept. 2.

★**N. Y., New York**—H. H. Curran, pres. Manhattan Boro., let contract regulating and repaving West 54th St., sheet asphalt, and Hudson St., wood block, to W. J. Fitzgerald, 547 West 45th St., $42,758 and $109,131 respectively. Noted Aug. 26.

★**New Jersey**—State Highway Comn., Trenton, let contract paving 22,910 sy.yd. State Highway 1, Sect. 9, Milton Ave., Rahway to Rahway-Linden line, bituminous concrete to M. I. Demarest, Scwaren, $204,485; 22,382 sq.yd. Sect. 10, Rahway-Linden line to Roselle Boro, bituminous concrete, to C. H. Winans, 207 Broad St., Elizabeth, $214,296; 27,007 sq.yd. Sect. 11, Roselle Boro. to Elizabeth city line, bituminous concrete, to J. Doror, Irvington, $237,489. Noted Aug. 19.

★**N. J., Camden**—Camden Co. let contract building 1.17 mi. road between Gloucester Pike and Hadonfield, to Sutton & Corson, 9th and Simpson Sts., Ocean City, $68,811.

★**N. J., New Brunswick**—Comrs. Middlesex Co. let contract laying 24,332 sq.yd. Warrenite bitulithic pavement on 6 in. concrete base, to T. H. Riddle, 102 Church St.

Maryland—State Rds, Comn., 601 Garrett Bldg., Baltimore, received bids Aug. 31, building 1.4 mi. Legislative Rd. between Marantown and Allegany, (Contr. A-18), from S. T. Brotemarkle, Maple St., Cumberland, $73,594; 2.14 mi. Mountain Rd. from end of concrete sec. to Jacobsville (Contr. AA-19), from Christhilf & Ensey, Munsey Bldg., Baltimore, $75,008; 2.04 mi. Hereford Rd. (Contr. B-38), from T. Bresnan & Sons, 2018 West North Ave., Baltimore, $100,583. Noted Aug. 26.

★**Md., Baltimore**—Bd. Awards, c/o City Register, let contract grading, curbing and paving Lanvale St., Lauretta, Wheeler, Warwick, Oswego and Charlotte Aves. (Contr. 178), to Baltimore Asphalt Block & Tile Co., Laurens & Monroe Sts., $66,157. Noted Aug. 12.

★**W. Va., Glenville**—Comrs. Gilmer Co. let contract grading 5 mi. Glenville-Linn Rd., to C. F. McQueen, Charleston, $61,402.

★**North Carolina**—State Highway Comn., at div. office, Greensboro, received bids top soiling (a) 10.04 mi. Federal Aid Project 101 A, Randolph Co., (b) 6.58 mi. Federal Aid Project 38, Caswell Co., (c) 4.68 mi. Federal Aid Project 82, Davidson Co., (d) 20.6 mi. Federal Aid Project 98 A, Moore Co., (e) hard surfacing 5 mi. Federal Project 125, Alleghany Co., all 16 ft. w from F. W. Chandler, Virgilina, Va. $116,345, (e) $150,225; S. L. Davis, A marle, (a) $116,059; J. A. Kreis, Ho Bank Bldg., Knoxville, Tenn., (a) $124 (d) $170,503, (e) $125,130; Bolton Co., Marion, (b) $46,256, (d) $164,980 W. Gregory & Co., Virgilina, Va., (b) $ 587; J. T. Plott, Greensboro, (b) $50 (c) $32,328, (d) $150,246; C. A. H Winston-Salem, (c) $28,714; Jam Bros., Rocky Mt., (c) $32,213; W. Graham, Mt. Ulla, (e) $133,033. No Aug. 12.

Alabama—State Highway Comn., Mo gomery, received bid surfacing and dra ing 16,600 ft. road from Brown Sta. Perry Co. line, 16 ft. wide, Dallas Co., volving 7,400 cu.yd. gravel surfacing a 12,672 cu.yd. earth excav., from L. Rawlinson, Montgomery, $48,748. Not Aug. 26.

★**Ala., Montgomery**—City let contra paving various streets, involving 6,8 sq.yd. Warrenite-bitulithic on 6 in. co crete base, to Jamison & Hollowell, 8 North Court St.

Ohio—State Highway Dept., Columbus received bids Sept. 3, building roads in following counties:

Ashtabula Co., Sects. "C" and "D" Cleveland-Meadville Rd., 6.7 mi., grading ditches widening pavement and resurfacing with macadam from Seipel & Wolf Constr. Co. Youngstown, $166,987.

Belmont Co., Sect. "M" Bellaire-Barnesville Rd., 2.999 mi., grading roadway and building drainage structures, L. B. Wilson Newark, $50,502; C. J. Breckenridge, Columbus, $51,507; H. M. Saxbe, Urbana $52,358.

Crawford Co., Sect. "A" Shelby-Galion Rd., 2.424 mi., grading, constructing bridges and culverts and paving with bituminous macadam, J. C. McCann, Columbus, $87,621; R. M. Hayes, Attica, $89,572.

Geauga Co., Sect. "G" Cleveland-Meadville Rd., building bridge, G. A. Stein, 727 Vienna Ave., Niles, $7,275; Henderson Bros., Dayton Falls, $7,320.

Jackson Co., Sect. "F" Chillicothe-Jackson Rd., 1.85 mi., grading, constructing bridges and culverts and paving with bituminous macadam, J. Petrie, Logan, $61,874; Neff & Rader, Circleville, $62,161.

Sect. "K" Chillicothe-Jackson Rd., 2.332 mi., grading, constructing bridges culverts and paving with bituminous macadam, Neff & Rader, Circleville, $109,275.

Lorain Co., Sect. "T" Oberlin-Elyria Rd., 1.69 mi., grading, constructing bridges and culverts and paving with brick, A. J. Baltes, Norwalk, (State to furnish brick), $25,564; Ohio Eng. Co., Elyria (brick included), $42,230.

Mahoning Co., Sect. N-2 North Lima-East Palestine Rd., 0.65 mi., grading, constructing bridges and culverts and paving with brick, (1) state to furnish brick, (2) contractors to furnish brick, from J. McCarron, 1343 Kensington Ave., Youngstown, (1) $17,895, (2) $27,738; J. Karch, Celina, (1) $18,399; G. A. Gialdini & Son, Girard, (2) $26,744.

Paulding Co., Sect. "A-2" Payne-Hicksville Rd., 2.019 mi., grading, constructing drainage structures and paving, T. B. Putnam, Antwerp (bituminous concrete), $70,130; (Kentucky rock asphalt), $76,772.

Sect. "G" Paulding-Woodburn Rd., 2.023 mi., grading, constructing drainage structures and paving with (Kentucky rock asphalt), J. M. Roach, Defiance, $77,771; P. B. Putnam, Antwerp, $76,927 (bituminous macadam), $73,124.

Scioto Co., Sect. "R-1" Ohio River Rd., 3.692 mi., grading, constructing bridges and culverts and paving with brick, Harper & Rhul Co., Portsmouth, $203,540.

Van Wert Co., Sect. A Van Wert.-Ft. Wayne Rd., 5.826 mi. grading, building bridges and culverts and paving with (1) rein.-con., (2) bituminous concrete, (3) Kentucky rock asphalt, (4) bituminous macadam, from Putnam & Shingledecker, Van Wert, (1) $255,748, (2) $207,045, (2) $240,851; Dorsey Constr. Co., Findlay, (1) $260,175; C. V. Rector, Centennial Rd., Muncie, Ind., (4) $208,745.

Ashtabula Co., Sect. "E" Jefferson-Andover Rd., 1.22 mi., resurfacing old concrete road with three-inch brick, and one-inch granulated slag cushion, C. G. Fuller, Conneaut, $35,054.

Cuyahoga Co., Sect. "C-1" and "C-2" Cleveland-Elyria Rd., 8.021 mi., widening pavement by the addition of a five-foot water bound macadam strip and resurfacing dirt road, Ohio Contg. Co., Elyria, $60,180; W. D. Winchell & Co., 337 Siebert St., Columbus, $61,880; Elyria Construction Co., $62,800. Noted Aug. 26.

O., Cleveland—City received bids grading, draining and paving (a) Chester Ave. from East 12th to 17th Sts., involving

...cts and Roads (Continued)

...00 cu.yd. earth excav., 5,550 sq.yd. asph., 50,300 sq.ft. 4 in. concrete base, (b) ...st 140th St. from St. Clair to Aspinwall ...s., 14,298 cu.yd. earth excav., 9,350 sq. ...vitr. brick, 91,450 sq.ft. 6 in. concrete ... from Cleveland Trinidad Paving Co., ... Arcade, (a) $26,387; Riley Bros., The ...cade, (a) $33,955, (b) $90,103; Gould & ...ybeck, 823 East 150th St., (b) $88,513; ...er Constr. Co., 12109 Mayfield Rd., (b) ...,172.

O., Euclid—Village received bids grading ...d building sidewalks on (a) Azalia Drive, ... Friday Ave., (c) Foxton Ave., (d) Morris Ave., (e) Midland Rd., (f) Westport Ave., (g) Wilmore Ave., (h) East 130th St., (i) Arms Ave., involving 4,800 sq.yd. grading, 84,700 sq.ft. 2½ in. blue stone sidewalk, from V. G. Gallier, Rose Bldg., Cleveland, (a) $3,335, (b) $3,394, (c) $3,315, (d) $3,440, (e) $5,593, (f) $3,289, (g) $3,455, (h) $4,367, (i) $1,393; F. B. Stein, Euclid, (a) $3,437, (b) $3,437, (c) $3,437, (d) $3,437, (e) $5,587, (f) $3,437, (g) $3,437, (h) $4,110, (i) $1,347. Noted Aug. 12.

O., Shaker Heights—Village received low bids from Cleveland Trinidad Paving Co., The Arcade, Cleveland, grading, draining, curbing and paving with asphalt Lindholm Rd. from Scotsdale Rd. to Van Ness Blvd., $28,624; Strathavon Rd. from Scotsdale to Kenyon Rds., $34,134; Strand Hill Rd. from Scotsdale to Sharington Rds., $33,715; Rolliston Rd. from Scotsdale Rd. to Van Ness Blvd., $26,585; Engleside Rd. from Scotsdale to Kinsman Rds., $32,016; Sharington Rd. from Scotsdale to Palmeston Rds., $19,402. Work involves 30,185 sq.yd. asphalt, 44,475 cu.yd. grading, 262,500 sq.ft. 4-5 in. concrete base, 22,650 cu.ft. stone curbing and guttering.

O., South Euclid—Village received low bids for (1) building 2½ in. stone sidewalks, (2) grading (a) Stilmore Rd., (b) Wingate Rd., (c) Harwood Rd., (d) Miramar Blvd., (e) Hinsdale Rd., (f) Verona Ave., involving 42,000 cu.yd. grading, from Cleveland Stone Co., 1836 Euclid Ave., Cleveland, (1a) $8,845, (1b) $8,845, (1c) $8,845, (1d) $8,545, (1e) $8,545, (1f) $10,585; Ohio Stone Co., Citizens Bldg., Cleveland, (1a) $8,992, (1b) $8,992, (1c) $8,992, (1d) $8,644, (e) $8,992, (1f) $10,765; T. Vaughn, c/o F. A. Pease Eng. Co., Marshall Bldg., Cleveland, (2a) $6,335, (2b) $4,795, (2c) $6,975, (2d) $9,680, (2e) $5,570 (2f) $7,260; Ward Bros., 8912 Hough Ave., Cleveland (2a) $6,575, (2b) $4,960, (2c) $6,910, (2d) $8,874, (2f) $7,524.

★**Mich., Detroit**—City let contract to Detroit Asphalt Paving Co., 20 McGraw Bldg., furnishing labor and material grading, curbing and paving with sheet asphalt on 8 in. concrete base, Ashland Ave. from Jefferson St. to south line of Lots 270 and 299, $9,669, Chalmers Ave. from Charlevoix to Mack Aves., $30,866, Green Ave. from Cahalan to Ferndale Sts., $28,194, Marlborough Ave. from Waterloo to Charlevoix Aves., $21,164, Philip Ave. from Kercheval to Mack Aves., $64,749; to Otis Cement Constr. Co., 806 Hammond Bldg., paving with 1 course concrete, alley 1193 between 12th, 10th, La Brosse and Baker Sts., $9,872. Noted Aug. 26.

★**Mich., Sault Ste. Marie**—Comrs. Chippewa Co. will grade, surface and drain 3,084 mi. State Trunk Line Rd. 25-16, 16 ft. wide. About $27,000. Work will be done by day labor. Noted Aug. 5.

★**Ill., East St. Louis**—City let contract paving 800 ft. Cleveland Ave., 36 ft. wide, from 16th to 18th Sts., involving 1,550 lin.ft. concrete curbing and 3,200 sq.yd. vitr. brick to McCabe & Co., East St. Louis, $18,750; removing present pavement and laying wood block on concrete base on 1,800 ft. Collinsville Ave. from Bway. to Illinois St., 36 ft. wide, to H. H. Hall Constr. Co., East St. Louis, $46,610; removing present pavement and paving with sheet asphalt on new concrete base 2,500 ft. Collinsville Ave. from 10th St. to St. Louis Ave., 36 ft. wide, to Concord Constr. Co., East St. Louis, $53,880.

Wisconsin—State Highway Dept., at div. office 2, Stephenson Bldg., Milwaukee, received bids Aug. 23, paving Milwaukee-Fond du Lac Rd., Federal Aid Project 160, Menomonee Falls, from Czerwinski Constr. Co., 113 Reed St., Milwaukee, $39,108; Kroening Constr. Co., 708 Majestic Bldg., Milwaukee, $40,039; C. Johnson, Hay Bldg., Oshkosh, $42,066.

Wis., Menomonee Falls—City received bids grading, surfacing and excavating 1.7 mi. Main St., 18 ft. wide, concrete, from A. Czerwinski, Milwaukee, $39,108; Kroenig Constr. Co., 708 Majestic Bldg., Milwaukee, $40,039; C. Johnson, 75 Main St., Oshkosh, $42,066.

★**Wis., Neenah**—Wisconsin & Northern R.R., Old 1st Natl. Bank Bldg., Appleton, let contract grading and excavating 5 mi. rail extensions between Wisconsin & Northern R.R. and Minneapolis, St. Paul & Sault Ste. Marie R. R., involving 135,000 cu.yd. excav., to Morris & Dougherty, 815 Globe Bldg., St. Paul, Minn. About $125,000; cost plus percentage basis.

★**Minn., St. Paul**—City will pave 16 blocks Arcade St. between Maryland St. and north city limits, asphaltic concrete. Former bids rejected. Work will be done by day labor. Noted Aug. 26.

★**Kan., Leavenworth**—Leavenworth Co. let contracts for (a) grading, (b) building bridges and culverts, on (1) Sect. A, (2) Sect. B, (3) Sect. D, Fort to Fort Highway, Federal Aid Project 52, to Davidson Constr. Co., Kansas City, Mo., (1a and 1b) $64,837, (2b) $15,673, (3b) $6,978; Blue Valley Constr. Co., Manhattan, (2a) $29,037. Noted Aug. 26.

★**Kan., Oswego**—City let contract paving 4 blocks main streets, 25 ft. wide, to J. B. Watts Constr. Co., Concordia, $100,146. Noted Aug. 5.

★**South Dakota**—State Highway Comm., Aberdeen, let contract grading and draining 21.1 mi. Yellowstone Trail from James west through Aberdeen to west county line Federal Aid Project 42, Brown Co., to H. C. Hansen, Groton, $114,696; 10.7 mi. Yellowstone Trail from Summit to west county line, Federal Aid Project 44, Roberts Co., involving 52,113 cu.yd. excav., 61,628 cu.yd. overhaul, 30,100 lb. reinforcing and 14,412 lb. structural steel, etc., also 16.5 mi. road west and south of Leola, Federal Aid Project 63, McPherson Co., 86,475 cu.yd. overhaul, 598 cu.yd. loose rock and 90,382 cu.yd. earth excav., etc., to Stevens Bros., St. Paul, Minn., $74,450 and $91,436 respectively. Noted July 22.

Missouri—State Highway Dept., St. Joseph, received bids Aug. 20, building .376 mi. Frederick Ave. Rd., 29 ft. wide, Federal Aid Project 94, from Land Constr. Co., Ballinger Bldg., St. Joseph, $30,996, work involves 239 cu.yd. earth excav., $1 per cu.yd., 2,960 cu.yd. borrow, $1, 6,434 sq.yd. each plain cement concrete base course and bituminous surface course specification "B," $2.15 and $1.27 respectively, 3,785 lin.ft. combination curb and gutter, $1.50, 240 lin.ft. plain concrete gutter, $0.48; 20.02 mi. Sect. D, St. Joseph-Atchison Rd., 24 ft. wide, Federal Aid Project 49, from Lynch-McConnell Moberly, $809,885, work involves 211,454 sq.yd. 1 course plain concrete pavement, $3.78, 10,805 lin.ft. wooden guard rail, $0.98. Noted July 29 and Aug. 5.

★**Mo., King City**—Jackson Twp. let contract paving 8 mi. Jefferson Highway, 18 ft. wide, Gentry Co., bituminous concrete, to Land Constr. Co., Ballinger Bldg., St. Joseph, $74,560.

Tex., Amarillo—Potter Co. received bids improving 14.7 mi. Highway 5, Federal Aid Project 162, 18 ft. wide, (a) grading road, involving 61,371 cu.yd. borrow, (b) building concrete culverts, (c) constructing steel span bridge, (d) surfacing road, involving 40,583 cu.yd. gravel and 7,158 cu.yd. clay, from H. F. Keller & Sons Amarillo, (a) $90,502; Laroe & Burgess, Dallas, (a and b) $31,097, (d) $135,712; Austin Bros., Bridge Co., 1815 Coombs St., Dallas, (b and c) $17,655; Sanders Bros., Miami, (d) $139,048; Womack Constr. Co., Sherman, (d) $146,087. Work involves 165.3 cu.yd. Class "A" concrete, 13,667 lb. reinforcing steel, 5,891 cu.yd. earth and 173 cu.yd. structural excav. Noted July 22.

Tex., Canyon—Randall Co. received bids Aug. 18, grading and draining 17.1 mi. Highway 33 from here to Deaf Smith Co. line, 24 ft. wide, from McKnight & Howell, Amarillo, $25,340; D. L. Hickcox, Canyon, $27,792; J. F. Hamer, Ft. Worth, $29,727. Work involves 189 cu.yd. earth, 6,938 cu.yd. borrow and 250 cu.yd. structural excav., 193.3 cu.yd. Class "A" concrete and 15,477 lb. reinforcing steel. Noted July 29.

★**Tex., Spur**—Dickens Co. let contract improving 7.5 mi. Highway 37 from here to Crosbyton, 18 ft. wide, (a) scarifying, reshaping, grading and surfacing with gravel, (b) building rein.-con. drainage structures, to C. L. Douglas, Spur, (a) $21,720; C. Whitner, Spur, (b) $16,109; both including 10% for engineering and contingencies. Noted Aug. 26.

★**Oklahoma**—State Highway Dept., Oklahoma, let contracts building 6 in. concrete pavement on 1⅞ mi. State Highway 20 ft. wide, Kingfisher Co., to Gibson & Mitchell, Pauls Valley, $58,797; gravel surfacing, draining and building bridges on 6 mi. State Highway, 18 ft. wide, Comanche Co., to Allen & Harrison, Oklahoma, $73,401.

★**Utah, Salt Lake City**—City let contract paving various streets, involving 8,040 sq.yd. Warrenite bitulithic pavement on 4 in. bituminous concrete base, to Moran Paving Co., Felt Bldg.

★**Utah**—Salt Lake City—Salt Lake Co. let contract paving various streets, involving 26,400 sq.yd. Warrenite bitulithic pavement on 4 in. crushed stone base, to Gibbons & Reed, Kearns Bldg.

★**Wash., Seattle**—King Co. let contract grading and paving 5.6 mi. Vashon Island Highway, 16 and 18 ft. wide, to Kaiser Paving Co., 304 West 36th St., $183,911. Noted April 15.

★**Wash., Tacoma**—Pierce Co. let contract paving 2 mi. Burnett-Wilkeson Rd., to S. A. Mocert, Alaska Bldg., Seattle, $50,860.

★**Ore., Astoria**—City let contract to Northwest Constr. Co., Portland, paving Exchange St., $92,901; Franklin Ave., $63,718; and Commercial and 23rd Sts. $32,603.

★**Ontario**—Dept. Pub. Rds., Toronto, let contract building 1¼ mi. asphalt pavement on Ancaster Rd. between Hamilton and Brantford, to Warren Bituminous Paving Co. Ltd., McKinnon Bldg., Toronto. About $125,000.

★**Ont., York**—Township let contracts building sidewalks on Appleton, Vimy Ridge E. and Vimy Ridge W. Aves. and Humewood Drive, to Scott, Maddock & Mitchell, 48 Alexander St., Toronto, $4,500; Arlington and Pritchard Aves., to Natl. Contg. Co., Toronto, $8,125; Bee St., to D. McKay & Co., 81 Redwood Ave., Toronto, $2,209; Boon, Crang and Dychwood Aves., to Ramsay Contg. Co., 39 Indian Rd., Crescent, Toronto, $20,770; Bernice Crescent, Summit, Rogers and Westmount Aves., to Angotti & Smythe, 819 St. Clarens Ave., Toronto, $12,725; Caesar, Hector and Homer Aves., to R. H. H. Blackwell, Aurora, $3,376; Cedarvale Ave., Don Mills Rd. E., and Don Mills Rd. W., to Walton & Rowell, Toronto, $9,898; Ellis, Welland and Willard Aves., to Gimthorpe Rd., to Grant Contg. Co., 50 Front St. E., Toronto, $13,327; also repairs to Lauder Ave., $0.40 per sq.ft. and curbing $0.75 per lin.ft., Lumsden Ave. and Jane St., to A. Covotte, Toronto, $5,427; George and Main Sts., to A. E. Jupp Constr. Co., 47 Sparkhall Ave., Toronto, $4,080; Woodbine Ave., to E. W. Deere, Toronto, $7,535; Beechwood, Eileen and Summerville Aves., to J. B. Moogk, Weston, $13,597; Kenwood Ave., to W. B. Hughes, 53 Victoria Park Ave., Toronto, $5,130; Torrens Ave., to A. Johnson, 112 Ivy Ave., Toronto, $8,060.

Railways

PROPOSED WORK

Texas—San Antonio & Rio Grande Valley R.R., San Antonio, organized to build 300 mi. line from San Antonio to Brownsville and Port Isabel. J. B. Carrington, 401 Grayburg Bldg., San Antonio, secy.

Ontario—City of Toronto plans to build double track street car line on Bloor St. from Runneymede Rd. to Jane St., ½ mi. long. About $104,245. R. C. Harris, city engr.

Excavation and Dredging

PROPOSED WORK

Ill., East St. Louis—Levee—East Side Levee & Sanitary Dist., 225 Collinsville Ave., plans to build levee and canal for draining city, involving 707,500 cu.yd. canal excav., 373,000 cu.yd. canal excav. hauled, 15,000 cu.yd. miscellaneous excav., 250,000 cu.yd. embankment borrowed and 3,400,000 sq.ft. trimming, grading and sloping. About $600,000. W. E. Putnam, East St. Louis, engr. Noted Aug. 5.

Ia., Marengo—Drainage—A. H. Hunter, aud. Iowa Co., rejected bids received Aug. 26, building D.D. 8. About $100,000. Noted Aug. 19.

Minn., Blue Earth—J. L. Herring, aud. Faribault Co. soon receives bids building Co. Ditch 48, involving 20 mi. open work, 2,000,000 cu.yd. excav. C. K. Haggar, Blue Earth, engr.

Idaho, Boise—Drainage—Ada Co. D. D. 2 rejected bids received June 3, for 24 mi. open drains, 1,750,000 cu.yd. excav., 22 mi. tile drains, bridges, culverts and flumes in Ada and Canyon Counties. About $425,000. K. V. Keener, Boise, engr. Noted May 13.

Cal., Gridley—Ditch—Sutter Butte Canal Co. plans to build additions to ditch system in Sutter and Butte Counties. About $200,000.

Cal., Honcut—Canal and Irrigation—Honcut-Yuba Irrigation Dist. has submitted plans to state engineer for canal and irrigation reservoir system. Plans include impounding dam at Virginia ranch, in Yuba Co., catchment basin of above reservoir is 194,880 acre-ft. Total cost, $1,780,636. V. P. and F. T. McCray, engrs.

BIDS DESIRED

Ia., Oskaloosa—Ditch—Until Sept. 18, by R. W. Varley, aud. Mahaska Co., building 7.6 mi. ditch in North Skunk River Valley, within D.D. 2, involving 429,158 cu.yd. excav.; advertised in this issue.

Ia., Wapello—Drainage—Until Sept. 22, by Bd. Supervs. Louisa Co., furnishing labor and material for drainage work in D.D. 22 and 23. F. G. Wright, co. aur.; advertised in this issue.

Minn., Mankato—Until Sept. 15, by C. L. Kennedy, aud. Blue Earth Co., building Co. Ditch 59, involving 128,805 lin.ft. 8-32 in. tile, 1 concrete headwall, cost $49,107; Co. Ditch 56, 40 400 lin.ft. open work, 261,813 cu.yd. spoil banks, 157,410 lin.ft. 8-28 in. tile; 49 branches and laterals, 7,531 tons tile, 20 concrete headwalls, also 225 cu.yd. rein.-con. dam at outlet of Crystal Lake, $196,770.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wyo., Basin**—Drainage—Alamo D. D. let contract building 51,182 ft. closed tile drain, 9 ft. deep, to Lovell Constr. Co., Lovell. About $85,000.

★**Tex., Corsicana** — Canal and Levee — Navarro Co. let contract building 5 mi. canal and 6 mi. levee in Levee Dist. 8, to Ennis Constr. Co., Ennis.

★**Ont., Tilbury**—Dredging—Township let contract dredging Merlin Drain, involving 100,000 yd. wet excav., to Chatham Dredging Co., Chatham. About $40,000.

Industrial Works

PROPOSED WORK

Me., Skowhegan—Central Maine Power Co., 40 Water St., Augusta, plans to build 40 x 180 ft. hydroelectric plant, here. About $1,350,000. F. H. Mason, ch. engr. J. A. Leonard, resident engr.

Mass., Worcester — L. S. Beardsley, archt., 116 West 39th St., New York City, soon lets contract building 2 story, 100 x 130 ft. concrete, brick and steel bakery, rein.-con. flooring, concrete foundation, on Main St., here, for Grocers Bread Co. About $100,000.

Mass., Worcester—T. Hanson, 873 Main St., soon lets contract building 2 story, 90 x 90 ft., rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation. About $75,000. E. T. Chapin, 310 Main St., archt. Noted June 3.

N. Y., Long Island City—Allied Printing Assn. of Manhattan, c/o W. E. Austin, archt. and engr., 46 West 24th St., New York City, having plans prepared for 9 story, 80 x 400 ft., rein-con., brick and steel plant, rein.-con. flooring, concrete foundation, on Jackson Ave. near Harold St.

N. J., Bridgeton—Illinois Glass Co. plans to build new plant. Cost including machinery, $3,500,000. A Godfrey, genl. mgr.

N. J., Camden—B. H. Lackey, archt., 509 Federal St., preparing plans for 2 story, 60 x 135 ft., rein.-con. factory. Owner's name withheld.

N. J., Hoboken — Ballinger & Perrott, engrs. and archts., 47 West 34th St., New York City, soon let contract building 2 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Clinton St., for Chocolate Menier, 1127 Clinton St. About $100,000.

N. J., Newark—New Jersey Ice Cream Co., 316 Mt. Pleasant Ave., having plans prepared by Voss & Lauritzen, archts. and engrs., 65 De Kalb Ave., Brooklyn, for 3 story, 35 x 35 ft., brick, rein.-con. and steel plant, rein.-con. flooring, concrete foundation. About $100,000.

N. J., New Brunswick—Western Sulphur Co. plans to build fertilizer plant. About $150,000. J. G. Lipman, c/o State Agricultural College, pres.

N. J., Woodlynne (Camden P. O.)—Camden Ice Co., c/o B. H. Lackey, archt., 509 Federal St., Camden, plans to build ice plant and coal yards, here.

Pa., Altoona—H. C. Prutzman & Co., 817 Green Ave., plans to build 3 story, 60 x 120 ft. concrete, brick and steel warehouse on 9th Ave. and Green St. About $100,000. Architect not selected.

Pa., Frankford (Phila. P. O.)—G. B. Roth, archt., 1629 Chestnut St., Phia., preparing plans for 2 story, 100 x 190 ft., concrete and brick factory, here. Owners name withheld.

O., Cleveland—Concrete Steel Co., Guardian Bldg., plans to build 1 story, 70 x 200 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete and brick foundation, on Berea Rd. About $75,000. W. Bright, mgr. Private plans.

O., Cleveland—R. C. Koblitz, 703 Canal Rd., plans to build 2 story, 72 x 110 ft., brick and steel factory and warehouse, brick foundation, on East 11th St. and Hamilton Ave. About $50,000. P. Matzinger, Coxton Bldg., archt.

O., Cleveland—Natl. Carbon Co., West 117th St. and Madison Ave., plans to build 1 story, rein.-con., brick and steel addition to factory, rein.-con. flooring, brick and concrete foundation. About $150,000. R. R. Magee, c/o Natl. Carbon Co., archt.

O., Cleveland—Natl. Lamp Wks. of General Electric Co., Nela Park, plans to build 3 story, rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation on Alonzo Ave. near Aetna Rd. About $300,000. G. H. Johnson, Nela Park, engr. and archt.

O., Cleveland—Windaw Tool Co., purchased site at 1565 East 17th St and plans to build 1 story, 46 x 130 ft., brick and steel addition to factory, brick foundation. About $50,000. E. Windaw, pres.

O., Lakewood (Cleveland P. O.)—L. S. Brooker, 11717 Detroit Ave., Cleveland, purchased site and plans to build 1 story brick addition to factory, brick foundation. About $50,000. Architect not selected.

Ind., Sullivan—Mutual Truck Co. had plans prepared by Shourds-Stoner Co., archts., Tribune Bldg., Terre Haute, for 1 story, 200 x 800 ft., brick and steel (monitor type) factory, rein.-con. flooring. About $100,000.

Mich., Detroit—Modern Sales & Service Co., 33 Woodward Ave., plans to construct 1 story, 110 x 425 ft., rein.-con. and brick auto service building, rein.-con. flooring, concrete foundation, on Jefferson Ave. and Du Bois St. About $200,000. Architect's name withheld.

Ill., Chicago—Borden Farm Products Co., 136 West Lake St., had plans prepared by E. E. Roberts, archt., 105 North Clark St., for 3 story, 115 x 210 ft., brick, rein.-con. and steel bottling plant, rein.-con. flooring, concrete foundation, on Clybourn Ave and Division St. About $250,000. Westcott Eng. Co., 111 West Washington St., engrs.

Ill., Chicago — Z. Dicker, 511 South Paulina St., plans to build 10 story, 99 x 150 ft. warehouse, on State and Kinzie Sts. About $1,000,000. Architect and engineer's name not announced.

Ill., Chicago—H. O. Reno Co., 123 West Madison St., had plans prepared by P. T. Johnstone, archt., 1254 Pratt Blvd., for 5 story 125 x 160 ft. factory, on Best and Wrightwood Sts. About $225,000.

Wis., Manitowoc—Jacquet Motor Corp. having plans prepared by H. B. Kamschulte, archt. and engr., Manitowoc, for 3 story, 150 x 300 ft., trunk factory, brick, rein.-con. and steel, rein.-con. flooring, brick foundation, on Main St. Cost between $50,000 and $75,000.

Wis., Milwaukee—See "Sewers."

Wis., Milwaukee—Wisconsin Food Products Co., Berlin Arcade, having plans prepared by Kirchhoff & Rose, archts., Majestic Bldg., for 1 story, 60 x 200 ft., brick, concrete and steel garage, concrete flooring and foundation, on Port Washington Rd.

Wis., New London — Borden Condensed Milk Co., 136 West Lake St., Chicago, preparing plans for 4 story, 60 x 250 ft., brick, rein.-con. and steel factory, rein.-con. flooring brick foundation, here. About $100,000. Private plans.

Wis., Sheboygan—South Side Garage Co., South 12th St. and Indiana Ave., having plans prepared for 2 or 3 story, 50 x 150 ft., brick, rein.-con. and steel garage, rein.-con. flooring, brick foundation, on Indiana Ave. About $100,000. Private plans.

Wis., Wauwatosa—Milwaukee Co., c/o Bd. Administration, plans to build 1 story, brick and steel, central heating plant, to supply insane asylum, poor house, hospital, etc. Cost including equipment $300,000. W. Caffey, secy. Architect and engineer not selected.

Wis., West Bend—Schmidt & Storck Wagon Co., Mill St., having plans prepared by Buemming & Guth, archts., 521 Jackson St., Milwaukee, for 2nd unit of wagon factory, 1 story, 100 x 270 ft., brick, rein.-con. and steel, brick foundation, on Main St. About $70,000. Noted June 10.

Minn., Minneapolis — Amer. Harvester Co., 1701 Madison St. N. E., receives bids in spring building 1 story, 80 x 160 ft. rein.-con., brick and steel plant. Private plans.

Kan., Leavenworth—Abernathy Furnace Co. plans to build factory. About $125,000. Architect not selected.

Kan., Leavenworth—Great Western Stove Co., 2nd and Choctaw Sts., plans to build factory. About $135,000. Architect and engineer not selected.

Kan., Ottawa—See "Waterworks."

Kan., Topeka — Ismert — Hincke Milling Co., 10th and Washington Sts., having plans prepared by E. E. Reamell, archt., 424 N. E. Bldg., for 2 story, rein.-con. brick and steel warehouse, rein.-con. flooring, concrete foundation. About $100,000.

Mo., Kansas City—Ford Motor Co., Highland Park, Detroit, Mich., having plans prepared by A. Kahn, archt., Marquette Bldg., Detroit, for 2 story, rein.-con. and brick service station, rein.-con flooring, concrete foundation, here. About $150,000.

Mo., St. Louis—C. F. May, archt., Wolf Bldg., soon receives bids building 2 story, 60 x 140 ft., brick and steel factory, on Bway., for Schlueter Mfg. Co., Bway and John St. About $80,000.

Okla., Oklahoma—Woods Produce Co., 207 North Bway., having plans prepared by Monnot & Reid, archts., 409 Empire Bldg., for 1 story, 100 x 140 ft., brick, rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation. About $100,000.

Ont., Collingwood—Imperial Steel & Wire Co. had plans prepared and soon receives bids building 3 story, concrete, brick and steel factory, concrete foundation. About $150,000. P. C. Palin, Hurontario St., archt. and engr.

Ont., Midland—Copeland Flour Mills plan to build concrete and brick mill, here. About $250,000.

Ont., Toronto—Canada Bread Co., 160 Avenue Rd., plans to build 3 story, rein.-con., brick and steel bakery, rein.-con. flooring, concrete foundation, on Danforth Ave. About $250,000. Architect not selected.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Andover** — Amer. Woolen Co., Lawrence, let contract building 3 story, rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, on Argyle St., here, to Turner Constr. Co., 178 Tremont St., Boston. About $100,000.

★**Mass., Dorchester** (Boston P. O.)—Byrne Realty Co., 435 Geneva Ave., will build 1 story, 95 x 165 ft., brick and concrete addition to garage, rein.-con. flooring, concrete foundation, on Holmes Ave. About $50,000. Work will be done by day labor. Noted July 22.

★**Mass., Fall River**—Amer. Printing Co., 56 Water St., will build power plant with brick chimney, also 1 story, 44 x 133 ft. and 1 story, 100 x 119 ft. factory, with 2 ells, concrete, brick and steel, rein.-con. flooring, concrete foundation. About $165,000. Work will be done by day labor. Noted Aug. 26.

★**Mass., Fall River**—New England Oil Corp. let contract building rein.-con. and steel plant, to include pumping station, several 55,000 gal. oil storage tanks, equipment, etc., to Unit Constr. Co., 299 Madison Ave., New York City. About $5,000,000.

★**Mass., Greenfield**—Greenfield Tap & Die Corp., Sanderson St., let contract building 5 story, 60 x 210 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to W. M. Bailey Co., 88 Broad St., Boston. About $250,000. Noted Aug. 19.

★**Mass., Turners Falls**—Greenfield Tap & Die Corp., Sanderson St., let contract building 1 story, 50 x 100 ft. and 25 x 41 ft. brick, rein.-con. and steel addition to forge plant, rein.-con. flooring, concrete foundation, to W. M. Bailey Co., 88 Broad St., Boston. About $50,000. Noted Aug. 19.

★**Mass., Wakefield** — Heywood Bros. & Wakefield Co., 206 Central St., let contract building 1 story, rein.-con. and brick addition to dry kiln plant, rein.-con. flooring, to Leighton-Mitchell Co., 99 Chauncey St., Boston. About $75,000. Noted Aug. 12.

★**Conn., Stratford**—Liberty Mfg. Co., 166 Elm St., Bridgeport, let contract building 1 story motor factory, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to H. K. Ferguson, 6523 Euclid Ave., Cleveland, O. About $100,000.

★**N. Y., Brooklyn**—Butler Realty Co., c/o Shampan & Shampan, archts., 50 Court St., will build 1 story, 75 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Butler St. and 3rd Ave. Work will be done by day labor.

★**N. Y., Brooklyn** — C. H. Noble, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., New York City, will build 3 story, 100 x 110 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on South 8th St. About $50,000. Work will be done by day labor.

★**N. Y., Buffalo**—Pratt & Lambert, Inc., 79 Tonawanda St., let contract building 6 x 50 x 55 x 100 ft. varnish factory, fireproof construction, to J. W. Cowper Co., Fidelity Bldg. About $75,000.

Industrial Works (Continued)

★**N. Y., Yonkers**—Yonkers Electric Light & Power Co., 9 Manor House Sq., let contract building 1 story, rein.-con., brick and steel sub-station, rein.-con. flooring, concrete foundation, to W. Young & Co., 414 West 41st St., New York City. About $75,000.

★**Pa., Allentown**—Allen Tire & Rubber Co., 510 Hamilton St., let contract building 2 story brick factory, to have 81,200 sq.ft. floor space, to Allentown Constr. Co., 5th and Hamilton Sts. About $2,500,000; cost plus percentage basis. Noted March 18.

★**Pa., Phila.**—E. B. Steinmetz & Co., Huntingdon and Hancock Sts., let contract building 2 story, 48 x 105 ft. yarn factory, rein.-con. and brick, on L and Sedgley Sts., to J. R. Wiggins Co., Otis Bldg. Noted July 29.

★**D. C., Washington**—Star Newspaper Co., 11th St. and Pennsylvania Ave., let contract building 9 story, rein.-con., brick and steel addition to plant, rein.-con. flooring, concrete foundation, to G. A. Fuller Co., 175 5th Ave., New York City. Noted July 15.

★**O., Cleveland**—Blue Valley Creamery Co., 700 South Clinton St., Chicago, let contract building 1 story, 70 x 168 ft., rein.-con., brick and steel factory, rein.-con. flooring, brick and concrete foundation, at 1802 East 47th St., to Kittinger Co., 1460 East 111th St. About $75,000. Noted May 13.

★**O., Cleveland**—Concrete Steel Co., 42 Bway., New York City, will build 1 story, 200 x 200 ft., steel fabricating shop, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000. Work will be done by day labor.

★**O., Cleveland**—A. S. Gilman Co., 623 St. Clair Ave., let contract building 2 story, 90 x 119 ft., brick and steel addition to plant, brick foundation, to Myers-Kuhn Constr. Co., 210 Metropolitan Bldg. About $50,000.

★**Mich., Detroit**—Dept. Pub. Wks., City Hall, let masonry contract building 1 story, 70 x 180 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation, at foot of 14th St., to A. W. Kutsche Co., Ford Bldg., $42,400; carpentry, to Winkler & Auch, Penobscot Bldg., $11,114; plumbing and heating, to Rose & Wood, Penobscot Bldg., $10,210.

★**Ill., Chicago**—Perfection & Manhattan Laundry, 2514 Armitage Ave., let contract building 2 story, rein.-con. and brick addition to laundry, concrete foundation, to W. J. Scown Bldg. Co., 36 West Randolph St. About $60,000.

★**Ill., East St. Louis**—Eagle Pitcher Lead Co., Ry. Exch. Bldg., St. Louis, Mo., let contract constructing brick, rein.-con. and steel plant, rein.-con. flooring, here, including furnace building, boiler room, laboratory, machine shop, office, warehouses and service buildings, to Wimmer Contg. Co., Victoria Bldg., St. Louis, Mo. About $600,000.

★**Ill., East St. Louis**—Monsanto Chemical Wks., 1800 South 2nd St., St. Louis, Mo., let contract constructing 7 buildings for chemical plant, to include 2 large buildings, one 50 x 100 ft. and other 200 x 200 ft., rein.-con. and steel, rein.-con. flooring, to Wimmer Constr. Co., Victoria Bldg., St. Louis, Mo. About $400,000.

★**Wis., Saukville**—G. Sielman & Son Co., 337 7th St., Milwaukee, let general contract building 2½ story, 57 x 149 ft., brick, rein.-con. and steel factory, brick foundation, on Main St., to J. Schramka, Port Washington. About $50,000.

★**Minn., St. Paul**—R. A. Schaffner and A. G. and C. H. Siems of St. Paul, and C. P. Stembel, Minneapolis, let contract building 1 story, 150 x 650 ft. frame repair plant, also lumber mill, blacksmith shop, store house, lumber shed, material platform and office building, on West Como Ave., St. Paul, and Como Ave., Minneapolis, to Siems, Helmers & Schaffner, 514 Guardian Life Bldg. About $250,000.

★**Mo., Kansas City**—See "Buildings."

★**Mo., Kansas City**—Adams Transfer & Storage Co., 228 West 4th St., let contract building 1 story, rein.-con. and brick warehouse, rein.-con. flooring, to Pratt-Thompson Constr. Co., 500 Republic Bldg. About $150,000.

★**Mo., St. Louis**—Crunden-Martin Mfg. Co., 760 South 2nd St., let contract building rein.-con. and brick factory, rein.-con. flooring, to Gamble Constr. Co., 620 Chestnut St. About $350,000.

★**Mo., St. Louis**—Schlueter Mfg. Co., Bway. and John St., let contract building 4 story, 43 x 100 ft., brick factory, to C. A. Welch Constr. Co., Central Natl. Bank Bldg. About $55,000.

★**Col., Denver**—Concrete Steel Co., 42 Bway., New York City, will build 1 story, 200 x 200 ft., steel fabricating shop, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000. Work will be done by day labor.

Buildings

PROPOSED WORK

Me., Deering (Portland P. O.)—Convent—St. Joseph Parish, 605 Stephens Ave., had plans prepared by O'Connell & Shaw archts., 18 Boylston St., Boston, Mass., for 4 story, 50 x 100 ft., rein.-con. and brick addition, rein.-con. flooring. About $300,000.

Me., Skowhegan—Armory—Town plans to build brick and steel. About $100,000. A. Simpson, clk. Architect not selected.

Me., South Brewer—School—C. P. Crowell, archt., 44 Central St., Bangor, soon lets contract building 2 story, brick and steel, concrete foundation, for St. Theresa Roman Catholic Society.

Mass., Amherst—Club—Putnam & Cox, archts., 114 State St., Boston, soon let contract building 3 story, 40 x 75 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Northampton St., here, for Phi Kappa Psi Fraternity. Noted July 15.

Mass., Hyde Park (Boston P. O.)—Office—City, Pub. Bldg. Dept., plans to build brick, concrete and steel on Everett Sq. Architect will be selected soon.

Mass., Lawrence—Church and School—St. Marys Roman Catholic Society, Haverhill St., rejected bids and will have plans revised by E. T. P. Graham, archt., 20 Beacon St., Boston, for 3 story, 47 x 100 ft. brick and steel, concrete foundation on Ames and Lowell Sts. About $125,000. J. T. Reilly, pastor. Noted Aug. 5.

Mass., Northbridge—Lodge and Business—Knights of Pythias, c/o J. A. Brown, Eureka Lodge, plans to build 3 story, brick and steel, on Church St. J. D. Leland, 185 Devonshire St., Boston, archt.

Mass., Quincy (Boston P. O.)—Dormitory—Bulfinch & Voss, archts., 122 Ames Bldg., Boston, soon let contract building 3 story, 40 x 120 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, for Eastern Nazarene College, Wollaston Park. About $125,000. Noted July 22.

Conn., Hartford—Business—Berenson & Moses, archts., 1026 Main St., soon let contract building 3 story, 50 x 145 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Main St., for C. Leonard, 599 Main St.

Conn., Hartford—Office—Natl. Fire Insurance Co., 95 Pearl St., plans to build large brick office, on Pearl St. Architect not selected.

Conn., Montville—Housing—R. Gair, 50 Washington St., Brooklyn, N. Y., plans to build several brick and timber houses, brick foundations, for housing development system, here. About $250,000. Lockwood-Green, 101 Park Ave., New York City, archts. and engrs.

N. Y., Long Island City—Schools—Bd. Educ., 500 Park Row, New York City, plans to build 2 brick, steel and stone schools, brick foundations, one on Wool and Laconia Sts., other on Grand and 16th Ave. About $500,000 and $900,000 respectively. C. B. J. Snyder, Municipal Bldg., New York City, archt.

N. Y., Richmond Hill—Schools—Bd. Educ., 500 Park Row, New York City, plans to build 2 brick, steel and stone additions, stone foundations, one on Cedar Ave., other on Hillside Ave. About $500,000 and $900,000 respectively. C. B. J. Snyder, Municipal Bldg., New York City, archt.

N. J., Camden—Office—J. E. Fagen, 509 Federal St., plans to build 4 story, 75 x 100 ft., concrete and brick. B. H. Lackey, 509 Federal St., archt.

N. J., Linwood—Club—Linwood Country Club had plans prepared by McLanahan & Bencker, archts. and engrs., Bellevue Court Bldg., Phila., for 1 and 2 story, 75 x 150 ft., brick and stucco. Cost to exceed $100,000.

N. J., Millville—High School—Bd. Educ. plans to build school. About $300,000. Address the Mayor.

N. J., Newark—Theatre and Store—Ten Rose Holding Co., c/o Bachoff, Jones & Cook, archts., 9 Clinton St., had plans prepared for 2 story, 50 x 150 ft., brick and terra cotta, at 783-785 Clinton St. About $100,000.

N. J., Trenton—Hospital—St. Francis Hospital, Chambers St. and Hamilton Ave., plans to build addition. About $500,000. Address, Sister Rose, c/o hospital. Architect not selected.

Pa., Clearfield—Hospital—Clearfield Hospital plans to construct 2 story, 100 x 130 ft. brick addition, to include maternity wing, laboratory unit, isolation suites, etc. About $150,000. Architect not selected.

Pa., East Conemaugh (Johnstown P. O.)—School—Bd. Educ. will receive bids within 2 months building 3 story, 80 x 100 ft., brick and stone, rein.-con. flooring, on 1st and Locust Sts. Bond for $110,000 voted for project. Architect not selected. Noted Aug. 19.

Pa., Johnstown—Exchange—Johnstown Builders Exchange plans to build 3 story on central site. About $100,000.

Pa., Philadelphia—Bank and Office—Bryn Mawr Trust Co., Bryn Mawr Ave., plans to build bank and office on Lancaster Pike. Cost to exceed $100,000. Architect not selected.

O., Cleveland—Bank—Doans Savings & Loan Co., East 6th St. near Superior Ave., purchased 4 story, brick, stone and steel building on Euclid Ave. near East 57th St. and plans to remodel same for own use. About $125,000. J. R. Moxon, secy. Architect and engineer not selected.

O., Cleveland—Bathhouse—City having plans prepared by J. H. MacDowell, archt., City Hall, for 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at Gordon Park. About $300,000.

O., Cleveland—Commercial—J. Babin, Hotel Olmstead, plans to build 8 story, 50 x 190 ft., rein.-con., brick, steel and terra cotta, rein.-con. flooring, brick and concrete foundation, on Euclid Ave. between East 30th and East 40th Sts. About $600,000. Architect and engineers names withheld.

O., Cleveland—Commercial—A. D. Joyce, pres. Glidden Co., Madison Ave., plans to build 8 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Euclid Ave. and East 55th St. About $500,000. Private plans.

O., Cleveland—High School—Bd. Educ. having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., for 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, in Woodland Hills. About $2,000,000. F. G. Hogan, dir.

O., Columbus—Lodge—St. Marks Lodge, A. F. & A. M., 116½ South High St., having sketches made for 3 story, 82 x 119 ft., brick and concrete, on East Long St. About $200,000.

O., Euclid—Church—Euclid Ave. Congregational Church, c/o F. Blanchard, Euclid Ave. and East 90th St., plans to build 1 story, brick church, brick foundation, on Euclid and Elm Aves. About $150,000. Architect not selected.

Ind., Fowler—Hospital—Comrs. Benton Co., having plans prepared for 2 story, 50 x 80 ft., rein.-con., brick and steel. About $100,000. Private plans.

Ind., Indianapolis—Educational—Central Christian Church, Walnut and Delaware Sts., having plans prepared by N. E. Hill, archt., 601 Lombard St., for 2 story, 76 x 81 ft., rein.-con. stone, brick and steel, on Delaware St. About $100,000.

Ind., Indianapolis—School—Bd. Educ. had plans prepared by E. E. Dunlap Co., archts., 909-10 State Life Bldg., for 2 story, 58 x 64 ft., rein.-con. and brick, on English Ave. About $100,000. Snider & Rotz, 703 Merchants Bank Bldg., engrs.

Ind., Pierceton—School—A. J. Menzie, trustee, plans to build 2 story, 88 x 110 ft., brick. About $100,000. Mahurin & Mahurin, 124 West Jefferson St., Ft. Wayne, archts.

Mich., Detroit—City Hall—City Plan Comn., having preliminary sketches made by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, for 6 story, or more, rein.-con. and brick, rein.-con. flooring, concrete foundation, on Woodward Ave. About $3,000,000.

Ill., Chicago—Church—A. V. Leisen, archt., 3133 Logan Blvd., prepared plans for 2 story, 60 x 100 ft., brick and stone, concrete foundation, on Francisco and Schubert Sts. About $100,000. Owner's name withheld.

Ill., Chicago—Institute—Chicago Art Institute, Grant Park and Adams St., soon receives bids building 2 story, 200 x 200 ft., concrete and Steel addition. About $200,000. Coolidge & Hodgson, 134 South La Salle St., archts.

Ill., Chicago—Store—Stevens, Maloney & Co., 21 South La Salle St., plans to build 6 story, 25 x 125 ft., at 6-8 South Clark St. About $200,000. Architect and engineer not announced.

Buildings (Continued)

Wis., Phillips—Depot—Minneapolis, St. Paul & Sault Ste. Marie R.R. 204 Clark St., Chicago, soon receives bids building 2 story, 54 x 150 ft., brick, rein.-con. and steel, brick foundation, here. Private plans.

Wis., Rosendale — High School — Union Free High School Bd. had plans prepared by F. J. Stepmoski, archt., 144 Marquette St., Fond du Lac, and will probably receive bids in fall, building 3 story, 60 x 180 ft., brick, rein.-con. and steel, brick foundation, on Main St. About $100,000. T. J. Madigan, clk.

Wis., Schleisingerville—Sanatorium—H. Storck having plans prepared by J. E. Hennen, archt., 74 South Main St., Fond du Lac, for 5 story, brick, rein.-con. and steel. About $350,000.

Wis., Sheboygan—Hospital and Dormitory—St. Nicholas Hospital Assn., 1426 North 8th St., having plans prepared by Foeller & Schober, archts. and engrs., 123 North Washington St., Green Bay, for 3 story, 160 x 300 ft., brick, rein.-con. and steel, brick foundation, on 9th St. and Superior Ave. About $200,000. R. F. Thiel, pastor.

Wis., Sheboygan — Office and Lodge — Knights of Columbus plan to build 4 story, 60 x 250 ft., brick, rein.-con. and steel, brick foundation. About $150,000. Architect and engineer not selected.

Wis., Two Rivers—Theatre—Two Rivers Amusement Co. having preliminary sketches made by W. T. Raeuber, archt. and engr., Manitowoc, for 2 story, 85 x 210 ft., rein.-con., brick, steel and tile, brick foundation. About $150,000. J. Tadych, promoter.

Minn., Minneapolis—Bible School—First Baptist Church soon receives bids building 4 story, 51 x 80 ft. rein.-con., brick and stone, on 11th St. and Harmon Pl. About $100,000. Long, Lamoreaux & Thorshov, 1028 Andrus Bldg., archts.

Minn., Minneapolis — Lodge Home—Sons and Daughters of Norway Bldg. Assn., c/o T. O. Dahl, 1605 East Lake St., plans to build home. About $100,000. Architect not selected.

Kan., Columbus — School — City voted $110,000 bonds to build school. Architect and engineer not selected.

Kan., Glasco—School—Bd. Educ. having preliminary plans prepared by W. H. Saylor & Co., archts., Mutual Bldg., Kansas City, Mo., for school. About $100,000.

Kan., McLouth—High School—Bd. Educ. having plans prepared by W. Saylor & Co., archts., Topeka, for 2 story, concrete, brick and steel, concrete foundation. About $100,000.

Kan., Norton—Theatre—M. F. Browne having plans prepared by C. W. Shaver, archt., Salina, for 2 story, 40 x 115 ft., concrete, brick and steel, concrete and brick foundation. About $100,000.

Kan., Topeka—Hospital and Detention—Security Benefit Assn. having preliminary plans prepared by Schmidt, Garden & Martin, achts., 104 South Michigan Ave., Chicago, for rein.-con. and brick, concrete foundation. About $300,000.

Neb., Tremont—Church—First Methodist Episcopal Church having plans prepared by W. C. Jones, archt., 30 North LaSalle St., Chicago, for 2 story, 90 x 90 ft., brick and stone, concrete foundation. About $100,000.

S. D., Mobridge — Hospital — Mobridge Lutheran Hospital Assn. having plans prepared by Long, Lamoreaux & Thorshov, archts., 1028 Andrus Bldg., Minneapolis, Minn., for 3 story, 40 x 100 ft., rein.-con., brick and tile. About $135,000. L. Eggert, chn. building com.

S. D., Rapid City—Court House—Pennington Co. plans election in November to vote on $500,000 bonds to build court house. Architect not selected.

Mo., Kansas City—Hospital and Chapel—St. Lukes Hospital, 45th St. and Wornall Rd., c/o F. Clough, secy., having plans prepared by Keene & Simpsom, archts., 401 Reliance Bldg., for 5 story, 45 x 200 ft. hospital and 2 story, 40 x 60 ft. chapel, rein.-con., brick and stone.

Mo., St. Louis—Hotel—Jefferson Hotel Co., 12th and Locust Sts., having plans prepared by T. P. Barnett, archt., Arcade Bldg., for 12 story, 50 x 200 ft., rein.-con., brick and steel, rein.-con. flooring. About $1,200,000. Noted June 10.

Tex., Dallas — Exposition — Rick Warehouse & Stores Co. plans to build 10 story, 200 x 300 ft., rein.-con., rein.-con. flooring, on Elm St. About $1,000,000. A. C. Rick, pres.

Wash., Seattle — Bank — Seattle Natl. Bank, 2nd and Columbia Sts., having plans prepared by Doyle & Merriam, archts., Seattle Natl. Bank Bldg., for 2 story, 108 x 120 ft. addition with 35 x 73 ft. foyer, brick and marble, concrete foundation. About $500,000.

Ont., Richmond Hill—Home—Loyal True Blue & Orange Home, County Orange Bldg., Richmond St., Toronto, plans to build 3 story, children's home, concrete foundation, on Yonge St., here. About $300,000. Architect not selected.

BIDS DESIRED

Conn., New Britain—School—Until Sept. 20, by Bd. Educ., building 2 story, 60 x 240 ft. with 56 x 70 ft. ell, rein.-con., brick and steel, rein.-con. flooring, concrete foundation on Tremont St. About $350,000. D. K. Perry, 27 West Main St., archt. Noted Aug. 26.

Pa., Ebensburg — Court House — Until Sept. 27, by H. T. Jones, controller Cambria Co., building brick and steel addition and dome. About $200,000. J. R. Gordon, 507 5th Ave., New York City, archt. Noted July 29.

D. C., Washington—School—Until Sept. 14, by Dist. Comrs., building Woodridge-Langdon School. About $135,0000.

La., New Orleans — Infirmary — Until Sept. 27, by E. Weil, archt. and engr., Whitney Blk., building 4 story, brick, steel and stone addition to Truro Infirmary.

O., Canton—Schools—Until Oct. 3, by W. C. Lane, clk. Bd. Educ., building two 2 story, brick schools, one on Belden Ave. N. E., and other on Grace Ave. N. E. About $300,000 each. Thayer & Johnson, Cleveland, archts. Noted Sept. 2.

O., Hoytville—School—Until Sept. 18, by G. Dunn, Jr., clk. Bd. Educ., building 3 story, 62 x 130 ft. school in Jackson Twp. About $150,000. S. P. Stewart & Son, Bowling Green, archts.

O., Springfield—School—Until Sept. 21, by Bd. Educ. furnishing labor and material for building 14 room grade school, on Maiden Lane and Zischler Sts. W. L. Smack, clk. O. D. Howard, Springfield, archt.

Ind., Evansville — Hospital — Deaconess Hospital receiving bids building 3 story, 53 x 121 ft., rein.-con., brick and steel, rein.-con. flooring. About $200,000. H. E. Boyle & Co., Evansville, archts. Noted Sept. 2.

Ind., Indianapolis — School — Until Sept. 11, by Bd. School Comrs. building 2 story, 60 x 80 ft., rein.-con., brick and steel, on 10th and Dearborn Sts. About $100,000. H. Foltz, 843-6 Lemcke Annex, archt. Snider & Rotz, 703 Merchants Bank Bldg., engrs.

Ill., Chicago—Office—G. C. Nimmons & Co., archts., 122 South Michigan Ave., receiving bids building 9 story, 75 x 100 ft., rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation, at 546-8 South State St., for W. V. Kelly, c/o architects. About $500,000. Bd. Educ. lessee. Noted July 22.

Wis., Milwaukee—Theatre—Until Sept. 13, by M. Tullgren & Sons, archts., 425 East Water St., building 1 story, 80 x 120 ft., concrete and brick, rein.-con. flooring, concrete foundation, on 36th St. and North Ave., for T. Saxe, 160 5th St. About $100,000.

Wis., West Allis (Milwaukee P. O.)—Grade School—Until Sept. 18, by Bd. Educ., building 2 story, concrete and brick, rein.-con. flooring, concrete foundation, on Cupple St. Cost between $75,000 and $100,000. Lesser & Schutte, 68 Wisconsin St., Milwaukee, archts.

Ia., Mason City—Hotel—Proudfoot, Bird & Rawson, archts., 810 Hubbell Bldg., Des Moines, receiving bids building basement and 1st floor of 7 story, 132 x 165 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete and brick foundation, for Mason City Hotel Co. About $800,000. Noted July 29.

Minn., Minenapolis—School—Until Sept. 17, by Bd. Educ. building 2 story, 58 x 158 ft. rein.-con., brick and stone addition to Clinton Grade School, on 28th St. and 4th Ave. S. About $200,000.

S. D., Sioux Falls—Office, etc.—Eng. Dept. of Chicago, St. Paul, Minneapolis & Omaha Ry., 275 East 4th St., St. Paul, receiving bids building 1 story, 30 x 256 ft. rein.-con., brick and steel, office and freight house, here.

Mo., Liberty—Church—Until Sept. 23, by Baptist Church, building 2 story, irregular shaped, concrete, brick and steel, rein.-con. flooring, concrete foundation. About $150,000. J. H. Felt & Co., Grand Ave. Temple, Kansas City, Mo., archts. Noted July 22.

PRICES AND CONTRACTS AWAR

(★Indicates award of contract)

★**Mass., Boston**—Bank and Office—mont Trust Co., 14 State St., let co... building 12 story, 100 x 130 ft. rein... brick, steel and terra cotta, rein.-con... ing, concrete foundation, on Court S... J. H. Broderick, 101 Tremont St. A... $2,300,000.

★**Mass., Cambridge**—Hospital, E. T... Graham, archt., 20 Beacon St., Boston... contract to Walsh Bros. Co., 150 H... shire St., building 3 story, 77 x 141... brick, rein.-con. and steel addition, r... con. flooring, concrete foundation, on C... bridge St., for City Hospital Comn. A... $201,000. Noted Aug. 12.

N. Y., New York—School—City rece... bids building and altering P. S. 115, f... T. A. Clark Co., $287,600; G. F. Dris... $319,600; T. Dwyer, Bway. and 216th S... $330,000.

★**N. J., Roselle Park**—School—Bd. Ed... let contract building Aldene School, 1... 2 story, 77 x 118 ft., concrete and brick... to C. Flockin, 681 Newark Ave., Elizabeth... $126,098. Noted Aug. 12.

★**Pa., Allentown** — Theatre — Liberty Theatre Co., 40 North 9th St., let contract building 2 story, 50 x 175 ft., brick, stone and steel, brick foundation, at 27 South 6th St., to Butterwick Constr. Co., 40 North 9th St. About $200,000.

★**Pa., Coatesville** — Hotel — I. Forman, Main St., will build 3 story, 50 x 70 ft. brick. Cost to exceed $100,000. Work will be done by day labor. Noted Aug. 12.

★**Pa., New Castle** — High School — Bd. Educ. let contract building 3 story, 240 x 340 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Moore & Lamb, 203 Stambaugh St., Youngstown, O., $340,825. Noted March 4.

★**Md., Baltimore**—Presto-Lite Co. Inc., 30 East 42nd St., New York City, let contract building 1 story, 25 x 50 ft. acetylene plant, rein.-con. and steel, rein.-con. flooring, concrete foundation, here, to West Constr. Co., Foster and 13th Aves. About $75,000.

★**S. C., Florence**—Hospital—Saunders Memorial Hospital, Inc., let contract building hospital, Fisck Locke brick, to Driscoll Co., Florence. About $100,000.

★**O., Cleveland**—Bank—Reliance Banking Co., c/o Walker & Weeks, archts., 1900 Euclid Ave., let contract altering 3 story, brick, limestone and marble, brick foundation, at 1632 Euclid Ave., to S. W. Emerson Co., 1900 Euclid Ave. About $100,000.

O., Lakewood (Cleveland, P. O.)—Schools—Bd. Educ., 1456 Warren Rd., received bids building (a) 54 x 90 ft. addition on Clifton Blvd. and Summit Ave., (b) 42 x 78 ft. addition on West Clifton Blvd., (c) 54 x 88 ft. addition on Franklin and Elbur Aves., all 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, from Schirmer-O'Hara Co., Ryder Bldg., Cleveland, (a) $132,100, (b) $45,180, (c) $74,300; Drummond-Miller Co., 4500 Euclid Ave., Cleveland, (a) $144,000, (b) $56,000, (c) $82,000. Noted May 27.

★**O., Lorain**—High School—Bd. Educ. let contract building 2 story, 100 x 137 ft., fireproof, on Hamilton and Oberlin Aves., to C. Peterson Co., Engineers Bldg., Cleveland. About $214,000.

★**O., Urbana**—High School—Bd. Educ. let contract building 2 story, 120 x 137 ft., fireproof high school, to J. W. and C. B. Anderson, Piqua. About $210,000.

★**Mich., Detroit**—Schools—Bd. Educ. let contracts building (1) Cooper School, (2) addition to Leland School, (3) Custer School, (4) addition to Crossman School, (5) Carstens School 2, (a) masonry, (b) carpentry, (c) heating, ventilating and plumbing, (d) electrical wiring, to Cooper Weidenmann Constr. Co., 1430 Penobscot Bldg., (1a) $191,270; E. Thiede, 287 Berlin St., (1b) $85,530, (3b) $65,950, (5b) $32,595; J. W. Partlan, 51 Park Pl., (1c) $93,800; Iron City Eng. Co., 1332 Dime Bank Bldg., (1d) $12,660, (5d) $7,572; J. Bollin Co., 906 Bellevue Ave., (2a) $117,490; W. W. Horen, 470 Dix Ave., (2b) $47,992, Drake Avery Co., 40 State St., (2c) $91,915, (3c) $91,212, (4c) $51,821; Hub Electric Co., 41 East Jefferson Ave., (2d) $8,451; Corrick Bros., 507 Owen Bldg., (3a) $247,737; Gray Electric Co., 71 Jones St., (3d) $15,687; M. A. Mahoney, Penobscot Bldg., (4a) $84,848; Southwick Pom Co., 1244 St. Jean Ave., (4b) $29,668; Central Electric Co., 96 Bway., (4d) $10,900; W. H. Mueller, 1531 Vinewood St., (5a) $73,915; W. J. Rewoldt, 506 Owen Bldg., (5c) $62,108. Noted Aug. 26.

★**Mich., Houghton**—Chemistry—Michigan College of Mines, College Ave., let contract building 2 story, brick and concrete, rein.-con. flooring, concrete foundation, to H.

ildings (Continued)

ndlach, Leopold Bldg. About $125,000; t plus percentage basis. Noted July 8.

★**Mich., Kalamazoo**—School Bd. Educ. let ntract building 3 story, 140 x 363 ft., ick, rein.-con. and steel, rein.-con. floor- concrete foundation, to Vanderhorst , Kalamazoo, $554,512. Noted Aug. 5.

★**Ill., Centralia**—High School—Town let ntract building 2 story, 130 x 130 ft., ick, to G. E. Tillman Constr. Co., Cen- alia. About $100,000.

★**Ill., Chicago** — Office — Holabird & oche, archts., 104 South Michigan Ave., let contract to A. Brundage, 110 South earborn St., building 2 story, 38 x 110 ft., rick, tile and steel addition, concrete oundation, at 161 North Dearborn St., for Oliver Typewriter Co., 167 North Dear- orn St. About $130,000. Noted June 24.

★**Ill., East St. Louis**—Mercantile—S. S. Kresge Co., 6th and Washington Sts., St. Louis, Mo., let contract building rein.-con. and brick, rein.-con. flooring, on St. Louis Ave., here, to G. A. Fuller Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. About $200,000.

★**Ill., Herrin**—High School—Bd. Educ. let contract building 2 story, 130 x 142 ft., brick and concrete, rein.-con. flooring, to P. Cardani, Herrin. About $123,600.

★**Ia., Des Moines** — Store and Office — First & Second Mortgage Co., Register & Tribune Bldg., let contract building 2 story, 125 x 283 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation on Grand Ave. between 9th and 10th Sts., to A. H. Neuman & Co., Hubbell Bldg. About $250,000.

★**Minn., St. Paul**—Club and Hall—German Hall Bldg. Assn., c/o P. J. Linhoff, archt., 906 Guardian Life Bldg., let contract building 3 story, 110 x 120 ft. rein.-con., brick and stone, on Rice and Aurora Sts., to J. R. Schmit, 429 North Dale St.; cost plus percentage basis. Noted Aug. 26.

★**Kan., Liberal**—Church—Methodist Episcopal Church let contract building 2 story, 66 x 106 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to M. C. Foy, Hutchinson. About $110,000; cost plus percentage basis. Noted May 13.

★**Kan., Lincoln** — School — Bd. Educ. let contract building 2 story, 80 x 134 ft., rein.-con. and stone, rein.-con flooring, to O. Peterson, Salina. About $120,000. Noted Aug. 12.

★**Mo., Columbia**—School—Missouri University let contract constructing 2 story, 63 x 91 ft., rein.-con. economic building, to Simon Constr. Co., Columbia. About $100,000. Noted July 22.

★**Mo., Kansas City**—Sales, etc.—R. P. Rice Motor Sales Co., 3823 Bway., let contract constructing 3 story, 60 x 122½ ft., sales and service building, brick and terra cotta, rein.-con. flooring, to A. J. Rector, Dwight Bldg. About $150,000.

★**Mo., St. Louis** — College — Lindenwood College, 3715 McCausland St., let contract building 4 story, 104 x 168 ft., rein.-con. and brick, rein.-con. flooring, to Sutherland Constr. Co., Syndicate Trust Bldg. About $350,000.

★**Mo., St. Louis**—Hospital—St. John Hospital, Euclid St. and Park View Pl., let contract building rein.-con., brick and steel addition, rein.-con. flooring, on Euclid St., to Rodman Bldg. & Constr. Co., St. Louis. About $175,000.

★**Tex., San Antonio**—Store—F. W. Woolworth Co., 322 East Houston St., let general contract building 3 story, 104 x 110 ft., concrete and brick, on Houston St. and Alamo Plaza, to Coleman & Jenkins, Gunter Bldg., $183,200. Noted Aug. 19.

★**Ont., Niagara Falls**—Hospital—General Hospital Trust let contract building 3 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, to Robertson Constr. Co., Bamfield Blk. About $126,000.

★**Ont., Ottawa**—Theatre—Canadian Famous Players Film Co., Temple Bldg., Toronto, let contract building 1 and 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here, to Atlas Constr. Co., 37 Belmont St., Montreal, Que. About $350,000; cost plus percentage basis.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Underground Electric Light & Power Distributing System—Spec. 4286—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans to build here, including conduits, manholes, cables and main switchboard with equipment and entrance switches.

D. C., Washington — Dispensary — Spec. 4226—Burea Yards & Docks, Navy Dept., rejected bids received Aug. 18, building at Navy Yard, here. Noted Aug. 26.

Cal., San Diego—Cold Storage Plant—Spec. 4199—Pub. Wks. Office rejected bids building at Marine Base, here. Noted Sept. 2.

Cal., San Diego—Storehouse—Spec. 4264—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 5 story, 190 x 200 ft. rein.-con. storehouse at foot of Bway. Noted Aug. 19.

BIDS DESIRED

Md., Baltimore—Bowlers Rock Light—Until Sept. 15, by Supt. Lighthouses, furnishing all material (except metal work) and labor for building and delivering of Bowlers Rock Light, Va.

Fla., Key West—Metal Work—Until Sept. 30, by Superintendent Lighthouses, furnishing and delivering f.o.b. Key West, metal work for Seahorse Reef Light.

Ark., Helena — Ditches — Until Sept. 27, by Comrs. Little Cypress D.D., building 25 mi. ditches, involving 356,000 yd. floating dredgwork. Noted July 29.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Providence**—Dredging—U. S. Eng. Office, War Dept., let contract dredging in Providence River and Harbor, to E. Breymann, 103 Chamber of Commerce Bldg., Toledo, O., $142,761. Noted Aug. 5.

Conn., New London—Roads, Walks, etc.—Spec. 4249—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 1, building roads, walks, storm sewers and railroad tracks, at submarine base, (1) work complete, from Fox Reynolds Co., Inc., 81 East 125th St., New York City, (1) $58,942, (125 days), (2) $4, (3) $4, (4) $4.75, (5) $4, (6) $6,648; F. D. Miller & Co., 43 Bway., New York City, (1) $48,132, (100 days), (2) $1.60, (3) $2, (4) $4, (5) $3.50, (6) $3,481; Hyde & Baxter, 1311 G St., N.W., Wash., D. C., (1) $87,900, (125 days), (2) $2.50, (3) $4, (4) $6 for pavement, $1.65 for shoulders, (5) $5.50, (6) $4,760. Noted Aug. 5.

N. Y., New York—Cable Reel Platform, etc.—Spec. 4243—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 1, building cable reel platform, storage shed and fence, storage racks in Bldg. 150 and demolishing Bldg. 151, (1) work complete, from C. Meads & Co., 217 West 14th St., (1) $49,200 (90 days); E. T. Cox Constr. Co., Inc., 154 Nassau St., (1) $44,400, (80 days), (2) $19,850, (75 days), (3) $4,000, (40 days), (4) $21,265, (75 days); Hyde & Baxter, 1311 G. St., N.W., Wash., D. C., (1) $54,450, (90 days), (2) $27,450, (75 days), (3) $9,960, (75 days), (4) $20,850, (75 days). Noted Aug. 5.

D. C., Washington—Bridge—Dept. of Interior, at office of C. Sells, Comr. Indian Affairs, received bids Aug. 31, building steel bridge across Two Medicine River, Blackfoot Reservation, from Illinois Steel Bridge Co., 552 Gilfillan Blk. St. Paul, Minn. $16,800, (100 days). Noted Aug. 19.

★**D. C., Washington**—Repairing Wharf and Slips—Spec. 4260—Bureau Yard & Docks, Navy Dept., let contract repairing Wharf 3 and Slips 2 and 3, to L. A. Clark & Sons, 10th St. Wharf, S. W., $4,400. Noted Sept. 2.

★**Wyo., Shoshone**—Lateral System Recl. Serv. let contract building portion of lateral system of 3rd Unit, Frannie Div., Shoshone Irrigation Project involving 42,000 cu.yd. excav., to H. Downer, Deaver.

Ore., Astoria—Remodeling Post Office—Treas. Dept., Wash., D. C., received bids Aug. 31, remodeling here, from H. W. Ostrom, Astoria $12,444; J. L. Burgess, Astoria, $11,800; King Lumber Co., Charlottesville, Va., $28,700. Noted Aug. 12.

Miscellaneous

PROPOSED WORK

Granite Gateway etc.—Cambridge, Mass.—R. H. Doane, archt., 75 Newbury St., Boston, soon lets contract building a large granite gateway, also 1 story, 25 x 45 ft., brick and stone rest house, on Mt. Auburn St., here, for Mt. Auburn Cemetery, 199 Washington St., Boston. Cost to exceed $25,000. Coolidge & Shattuck, 122 Ames Bldg., Boston, associate archts. Noted Sept. 2.

Bleachers — New Bedford, Mass. — Park Bd. rejected bids received July 8, building concrete bleachers, at Buttonwood Park. About $30,000. Project postponed. Brown & Poole, Chapman Bldg., engrs. Noted July 1.

New Ulm, Minn.—Fill—See "Streets and Roads."

Trucks—Independence, Kan.—Prairie Oil & Gas Co. will soon be in market for 2 new trucks.

Road Machinery—Kaufman, Tex.—J. F. Coon, judge Kaufman Co., soon receives bids furnishing road machinery to include (1) movable clam-shell cranes for unloading cars, (2) small drag line for earthwork and unloading uses, (3) either caterpillar tractors and heavy wagons or industrial track, gasoline locomotives and cars, for hauling purposes. Bartlett & Ranney, Inc., co. engrs.

BIDS DESIRED

Plant—New York, N. Y.—Until Sept. 15, by H. H. Curran, pres Manhattan, Boro. building plant for crushing, melting and mixing old asphaltic material, also altering existing elevator at plant on 90th St. and East River.

Rapid Transit—New York, N. Y.—Until Sept. 21, by J. H. Delaney, comr., 49 Lafayette St., rebuilding portion of Sect. 3, Route 33, Bway-4th Ave. Rapid Transit R.R.

Wall—Newark, N. J.—Until Sept. 14, by Dept. Streets and Pub. Impvts., City Hall, building concrete wall, 1,500 ft. long, 12 ft. high, involving 2,300 cu.yd. concrete, on property of Mt. Pleasant Cemetery Co. About $25,000.

Pumping Engine—Janesville, Wis.—Until Oct. 1, by city, furnishing 8,000,000 gal. horizontal, cross-compound, crank and fly wheel pumping engine. C. V. Kerch, city engr.

Trucks—Ft. Scott, Kan.—Ft. Scott-Pittsburg Transportation Co. is in the market for trucks. C. E. Coy, c/o Postoffice, pres.

S. D., Sioux Falls—Until Sept. 27, by J. Mundt, comr. Water Dept., building well, well house and appurtenances; advertised in this issue.

Crushed Trap Rock or Limestone—Kaufman, Tex.—Until Sept. 28, by J. F. Coon, judge Kaufman Co., furnishing crushed trap rock or limestone and hauling and loading equipment. Bartlett & Ranney, Inc., co. engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Ferry Boat—Boston, Mass.—City Bridge & Ferry Div. let contract building ferry boat, to Winnisimmet Shipyards, Inc., Chelsea. About $335,000. Noted July 29.

★**Bleachers—New Bedford, Mass.**—Park Bd. let contract building concrete bleachers at Victory Park, to E. A. Abbott Co., 3 Park St., Boston. About $35,000. Noted July 1.

★**Bin—Buffalo, N. Y.** — Michigan Limestone & Chemical Co., 257 Washington St., let contract building steel and frame storage bin at foot of Katherine St., to Harding & Crea, White Bldg. About $60,000.

★**Water Meters—New Brunswick, N. J.**—City let contract furnishing 3,000 water meters for hydrants, to Natl. Meter Co., 299 Bway., New York City, $30,510.

Conduits—Detroit, Mich.—Fire Comn., West Larned St., received bids furnishing labor and material building conduit lines, manholes, etc., for fire alarm system, involving 17,556 ft. 3-18 duct, from R. A. Mercier, 746 Hudson Ave., $120,821; C. M. Davis Co., 1323 Woodward Ave., $135,670; Contg. & Material Co., 3219 South Michigan Ave., Chicago, Ill., $165,408.

Piling—Detroit, Mich.—Water Bd. 232 Jefferson Ave., received bids furnishing labor and material for (a) excavating 50,000 cu.yd. earth and (b) driving 428,000 lin.ft. concrete piles for filtration plant, from Raymond Concrete Pile Co., Owen Bldg., (a) $2.48 per cu.yd., (b) $2.08½ per lin.ft., total cost, $1,037,230; J. F. Casey Co., Union Arcade, Pittsburgh, Pa., (a) $2.25, (b) $2.22, total $1,084,860.

★**Foundation—Chicago, Ill.**—Chicago Art Institute, Grant Park and Adams St., let contract building concrete foundation for 2 story, 200 x 200 ft., concrete and steel addition to art institute, to J. Rodatz, 209 South La Salle St. Total cost, $200,000.

★**Tank—Freeport, Minn.**—City let contract building 60,000 gal. steel tank, to Pittsburgh-Des Moines Steel Co., 8th and Tuttle Sts., Des Moines, Ia., $11,350. Noted Aug. 19 under "Waterworks."

Culverts—St. Joseph, Mo.—State Highway Dept., St. Joseph, received bid Aug. 20, building culverts on 20.02 mi. Sect. B, St. Joseph-Atchison Rd., 24 ft. wide, Federal Aid Project 49, Buchanan Co., from Lynch-McConnell, Moberly, $29,657. Work involves 376.6 cu.yd. Class "B" concrete masonry $29 per cu.yd., 230.4 cu.yd. Class "C" concrete masonry $25, 29,748 lb. reinforcement for concrete masonry, $0 ¶. Noted July 29.

★**Train Shed—Ft. William, Ont.**—North Western Elevator Co. Ltd., let contract building brick and timber train shed, concrete foundation, to Barnett & McQueen, Ft. William. About $40,000.

OFFICIAL PROPOSALS

Bids: Sept. 21.

Hudson River Vehicular Tunnel

Contract No. 1

Canal Street Shaft—Spring Street Shaft, Manhattan

NEW YORK STATE BRIDGE & TUNNEL COMMISSION
and
NEW JERSEY INTERSTATE BRIDGE & TUNNEL COMMISSION

Sealed proposals for the construction of two shafts in the Borough of Manhattan for the Vehicular Tunnel under the Hudson River will be received at the office of the New York State Bridge & Tunnel Commission and the New Jersey Interstate Bridge & Tunnel Commission, Room 616, Hall of Records, Borough of Manhattan, New York City, until September 21, 1920, at 3:00 o'clock p.m., at which time they will be publicly opened and read.

The contract will include the furnishing of materials, and all work required in the construction and sinking of two shafts, one located in Canal Street between Washington and West Streets, and the other located in Spring Street between Washington and West Streets; the relocation and construction of approximately 200 feet of the 8' by 16' sewer in Canal Street, and the care and support of buildings, vaults, sewers, pipes, railroads and other surface, sub-surface and overhead structures, the maintenance of traffic and the restoration of pavements and other surfaces.

Proposals must be in the form and on the blanks prescribed by the Commissions, and must be accompanied by two certified checks for $12,500 each.

Plans, form of contract and specifications may be obtained by prospective bidders from C. M. Holland, Chief Engineer, Room 614, Hall of Records, New York City. A payment of $5.00 will be required.

The Commissions reserve the right to reject any and all bids.

GEORGE R. DYER,
Chairman New York State Bridge & Tunnel Commission
WELLER H. NOYES,
Chairman New Jersey Interstate Bridge & Tunnel Commission

Bids: Sept. 21.

Dam, Pump House and Road Diversions

Norfolk, Va.

Sealed proposals will be received at the office of the city manager of the city of Norfolk, Va., until 12 o'clock noon, on the 21st day of Sept., 1920, for a dam, pump house and road diversions.

The work includes 11,000 cubic yards, more or less, of excavation below mean high tide; 150,000 cubic yards, more or less, of excavation for embankments for dam and road diversions; 3,500 cubic yards, more or less, of reinforced concrete; 13,000 linear feet, more or less, of eight-inch steel sheet piling; the construction of several small highway bridges; a pump house; an intake tower; a pile and timber wharf, and sundry piping and other appurtenances to the foregoing items.

Instruction to bidders, form of proposal, contract and form of bond, and plans and specifications may be inspected at the office of the Director of Public Works, Norfolk, Va., or at the office of the Consulting Engineer, Dabney H. Maury, 1445 Monadnock Block, Chicago, Ill., and a complete set of all of the above papers may be obtained either from the Director of Public Works or from the consulting engineer upon application accompanied by a check or postal order for twenty dollars, payable to B. Gray Tunstall, City Treasurer, which amount will be refunded to the party depositing it upon return of all of the foregoing papers in good order.

A certified check on some bank in the city of Norfolk, in the sum of $4,000.00, payable to B. Gray Tunstall, City Treasurer, must accompany each bid, subject to the conditions expressed in the form of proposal.

WALTER H. TAYLOR, III,
Director of Public Works.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

Bids: Sept. 14.

Construction of Foundations

DEPARTMENT OF PUBLIC WORKS
BOARD OF TRUSTEES
THE FREE LIBRARY

Phila., Pa.

Sealed proposals will be received in Room 216 City Hall addressed to the Director, Department of Public Works, and the Board of Trustees, The Free Library of Philadelphia, until 12:00 o'clock noon on Tuesday, September 14th, 1920, and opened at that time in Room 202 City Hall for

The construction of the foundations for the Building of The Free Library of Philadelphia located on a plot of ground bounded by Vine, Nineteenth, Wood and Twentieth Streets, in the City of Philadelphia.

A certificate from the Law Department that the proposal bond has been filed must accompany each bid.

Bidders must fully acquaint themselves with all the legal and departmental regulations applying to contract work in the City of Philadelphia. See reference to various such regulations in the specifications.

Plans will be delivered upon deposit of Fifteen ($15.00) Dollars with the Architect.

Copies of plans, drawings and specifications for the above work can be secured from Horace Trumbauer, Architect, 1406 Land Title Building, Philadelphia, to whom all inquiries for additional information may be addressed.

The Board of Trustees, The Free Library of Philadelphia.
JOHN ASHHURST, Librarian.
FRANK H. CAVEN, Director,
Department of Public Works.

Bids: Sept 24.

Construction of Pavement

Abilene, Tex.

The Commissioners of Abilene, Texas, will receive sealed bids not later than Sept. 24, 1920, for the Construction of about ten thousand square yards of Paving.

Alternate bids are asked for on Bitulithic, Asphalt Macadam, and Concrete Paving.

Payments will be made semi-monthly on Engineer's estimates, less 15%.

Certified check for $500.00 required with bid.

The City reserves the right to reject any or all bids.

M. L. SELLERS,
City Secretary.
C. C. GOMPERS,
Street Commissioner.
W. A. RINEY,
City Engineer.

Bids: Sept. 15.

Construction of Piers and Abutments

Portsmouth, N. H.

Sealed proposals, indorsed "Proposals for Piers and Abutments of the Piscataqua River Bridge" will be received by the Piscataqua River Bridge Commission at their office, City Hall, Portsmouth, N. H., until 11 o'clock a.m., standard time, (12 o'clock noon, daylight saving time), September 15, 1920, and then and there publicly opened and read for the construction of two piers and two abutments and work incidental thereto for the bridge to be built across the Piscataqua River between Portsmouth, N. H., and Kittery, Me.

Information with regard to surveys and borings, and with regard to local conditions, may be obtained by visit to the office of the Commission, and by inspection of the site of the proposed work.

The proposals will involve presentation by the bidders of proposed methods, accompanied by sketches thereof, of construction of piers, abutments, and incidental work located in deep running water.

An acceptable certified check for $20,000 will be required with the proposal when submitted, and an approved bond for 30% of the contract price will be required on execution of the contract.

Plans and specifications may be obtained on application to the Commission. Deposit of a check or postal money order for ten dollars, payable to the order of the Secretary of the Piscataqua River Bridge Commission, is required as security for the safe return of the drawings and specifications within five days after the award of the contract.

JOHN H. BARTLETT,
Secretary of the Piscataqua River Bridge Comm

Bids: Sept. 15.

Construction of Bridge Superstructure

Portsmouth, N. H.

Sealed proposals, indorsed "Proposals for Superstructure of the Piscataqua River Bridge" will be received by the Piscataqua River Bridge Commission at their office, City Hall, Portsmouth, N. H., until 11 o'clock a.m., standard time, (12 o'clock noon, daylight saving time), September 15, 1920, and then and there publicly opened and read for the construction of the superstructure for a bascule bridge and two approach spans to be built across the Piscataqua River between Portsmouth, N. H., and Kittery, Maine.

Information with regard to conditions of erection and facilities at the site may be obtained by visit to the office of the Commission, and by inspection of the site of the proposed work.

An acceptable certified check for $20,000 will be required with the proposal when submitted, and an approved bond for 30% of the contract price will be required on execution of the contract.

Plans and specifications may be obtained on application to the Commission. Deposit of a check or postal money order for ten dollars, payable to the order of the Secretary of the Piscataqua River Bridge Commission, is required as security for the safe return of the drawings and specifications within five days after the award of the contract.

JOHN H. BARTLETT,
Secretary of the Piscataqua River Bridge Commission

Notice to Dredging Contractors

We would like to get into communication with some Dredging Concern for the purpose of re-dredging about one hundred and twelve miles of ditches, 14 foot bottom by an average depth of about 7 feet.

BELZONI DRAINAGE COMMISSION
S. CASTLEMAN,
President
C. E. MILLER,
Engineer
Belzoni, Mississippi.